

## รายการอ้างอิง

### ภาษาไทย

- กมลชนก สุทธิวาทนฤพุมิ. ธุรกิจพาณิชย์นาวี. พิมพ์ครั้งที่ 6. กรุงเทพมหานคร: โรงพิมพ์แห่ง  
จุฬาลงกรณ์มหาวิทยาลัย, 2541.
- จุฑาทิพย์ ไคว่คาศัย. การปรับปรุงประสิทธิภาพการจัดการคลังสินค้า: กรณีศึกษาโรงงานผลิต  
ผลิตภัณฑ์บำรุงผม. วิทยานิพนธ์ปริญญาโทมหาบัณฑิต ภาควิชาวิศวกรรมอุตสาหกรรม  
บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2549.
- ชนินทร์ คุณรักษา. ระบบพัสดุคลังสำหรับอะไหล่ซ่อมบำรุง. วิทยานิพนธ์ปริญญาโทมหาบัณฑิต  
ภาควิชาวิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2541.
- ณัฐพันธ์ เขจรันนท์. การจัดการการผลิตและการดำเนินงาน. กรุงเทพมหานคร: ซีเอ็ดยูเคชั่น,  
2546.
- ดำรงศักดิ์ ชัยสนิท. การจัดจำหน่าย การกระจายผลิตภัณฑ์. พิมพ์ครั้งที่ 1. กรุงเทพมหานคร:  
สำนักพิมพ์วังอักษร, 2537.
- ธิดาเดี่ยว มยุรีสุวรรณค์. สถิติวิเคราะห์ 2. กรุงเทพมหานคร: ภาควิชาสถิติประยุกต์และศูนย์ผลิต  
ตำราเรียนสถาบันเทคโนโลยีพระจอมเกล้าพระนครเหนือ, 2543.
- ปณิกา ไชยตะมาตร์. การปรับปรุงประสิทธิภาพการจัดการคลังสินค้า. วิทยานิพนธ์ปริญญา  
มหาบัณฑิต ภาควิชาวิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์  
มหาวิทยาลัย, 2543.
- ปัทมา โชควิวัฒนาวิช. การออกแบบระบบสารสนเทศเพื่อการจัดซื้อเครื่องมือและอุปกรณ์ใน  
โรงงานประกอบรถยนต์. วิทยานิพนธ์ปริญญาโทมหาบัณฑิต ภาควิชาวิศวกรรม  
อุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2543.
- พัลลภา เอี่ยมทองอินทร์. การออกแบบคลังสินค้าสำหรับโรงงานเครื่องเขียน. วิทยานิพนธ์  
ปริญญาโทมหาบัณฑิต ภาควิชาวิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์  
มหาวิทยาลัย, 2548.
- แลมเบิร์ต, เดาร์กัลส เอ็ม. การจัดการโซ่อุปทานและโลจิสติกส์. แปลโดย กมลชนก สุทธิวาทนฤ  
พุมิและคณะ. กรุงเทพมหานคร: สำนักพิมพ์ท้อป/แมคกรอ-ฮิล, 2547.
- วรชัช สิทธิมงคล. การพัฒนาระบบคลังในโรงงานอุตสาหกรรมผลิตเครื่องมือวัดและเครื่อง  
ควบคุมอัตโนมัติทางอุตสาหกรรม. วิทยานิพนธ์ปริญญาโทมหาบัณฑิต ภาควิชา  
วิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2545.
- วิทยา สุทธิทดำรง. การจัดการโซ่อุปทาน. กรุงเทพมหานคร: เพียร์สัน เอ็ดดูเคชั่น อินโดไชน่า,  
2545.
- วิโรจน์ พุทธิวิถี. การจัดการโลจิสติกส์. กรุงเทพมหานคร: โอเอซิส ปับริ่งคิง แอนด์ พับลิชซิง,  
2547.

- ศศิธร สาดแสงจันทร์. การวิเคราะห์เพื่อลดระดับสินค้าคงคลังประเภทชิ้นส่วนอะไหล่เครื่องมือในโรงงานผลิตแผงวงจรไฟฟ้ารวม. วิทยานิพนธ์ปริญญาโทบริหารธุรกิจ ภาควิชาวิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2547.
- ศิริจันทร์ ทองประเสริฐ. ระบบพัสดुकงคลัง. พิมพ์ครั้งที่ 4. กรุงเทพมหานคร: สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย, 2542.
- สมศักดิ์ ตรีสัตย์. การออกแบบและวางผังโรงงาน. กรุงเทพมหานคร: ส. เอเชียเพรส จำกัด, 2537.
- สุธิตา นิมมานนิตย์. การวัดประสิทธิภาพเพื่อการปรับปรุงอย่างต่อเนื่องของระบบงานจัดซื้อในอุตสาหกรรมปูนซีเมนต์. วิทยานิพนธ์ปริญญาโทบริหารธุรกิจ ภาควิชาวิศวกรรมอุตสาหกรรม บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2545.
- สุนา อยู่โพธิ์. การจัดซื้อและการบริหารพัสดุ. กรุงเทพมหานคร: ชวนพิมพ์, 2533.
- อดุลย์ จาตุรงค์กุล. การจัดซื้อ. กรุงเทพมหานคร: โรงพิมพ์มหาวิทยาลัยธรรมศาสตร์, 2543.

### ภาษาอังกฤษ

- Bolten, E. F. Managing Time and Space in the Modern Warehouse. USA: American Management Association, 1997.
- Briggs, A. J. Warehouse Operations Planning and Management: Materials Handling and Packaging Series. USA: John Wiley & Sons, 1966.
- Clevert, D. A., et al. Cost analysis in interventional radiology-A tool to optimize management costs. European Journal of Radiology 61 (2007): 144-149.
- Garrett, J. van Ryzin. Analyzing Inventory Cost and Service in Supply Chains. Columbia Business School 3 (April 2001): 1-15
- Jenkins, C. H. Modern Warehouse Management. USA: McGraw-Hill, 1968.
- Mulcathy, D. E. Warehouse Distribution and Operations Handbook: International Edition. USA: McGraw-Hill, 1994.

ภาคผนวก

**ภาคผนวก ก**

**ปริมาณคงคลังและมูลค่าคงคลังของทัสตูโภคภัณฑ์**

ตาราง ก.1 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Chemicals

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
040701001	K74 Pink dye teratop 36	1,654.67	1	222.00	367,336.21	222.00	6	6.00	9,928.01	357,408.21
311001003	S908 TRS 1933 polishing liquid	1,368.59	4	874.00	1,196,143.65	218.50	814	203.50	1,114,028.52	82,115.12
040606001	Araldite AV119	1,430.15	1	42.00	60,066.50	42.00	5	5.00	7,150.77	52,915.73
040425006	Colloidal Silica Ludox CL-P	310.12	6	159.79	49,553.99	28.03	95.85	16.82	29,724.95	19,829.04
040106402	Nitrate de Potassium (Drum of 25kg)	665.70	25	425.00	282,924.41	17.00	425	17.00	282,924.41	282,924.41
040805010	S914 Pad cleaner (1L/Bott) ref.6190801	1,375.68	2	31.00	42,646.16	15.50	13	6.50	17,883.87	24,762.28
040805009	S913 Cleaner PRU6 (5L/Bott) ref.6190801	521.59	5	75.00	39,119.19	15.00	35	7.00	18,255.62	20,863.57
040405401	K86 Sodium sulphate with Certificate	10.50	250	2,500.00	26,250.00	10.00	900	3.60	9,450.00	16,800.00
040703005	Dye Blue Teratop NFB	2,004.23	1	10.00	20,042.35	10.00	9	9.00	18,038.11	2,004.23
040423406	Sodium Nitrate	1.78	250	2,250.00	4,002.96	9.00	2250	9.00	4,002.96	-
040701007	Dye, Red Teratop NFR	2,423.00	1	9.00	21,806.97	9.00	4	4.00	9,691.99	12,114.98
040201001	K33 Raptex (21 kgs/can) with Certificate	147.09	1,575	13,104.00	1,927,475.46	8.32	4925	3.13	724,421.30	1,203,054.17
040504401	K09 Methylene chloride(265,250 kgs/drum)	31.00	250	2,000.00	61,999.99	8.00	2000	8.00	61,999.99	61,999.99
311001002	Orma polish-drum 1GL JDE:311001002	1,399.51	68	453.00	633,980.08	6.66	372	5.47	520,619.40	113,360.68
040500408	S502 Robsil spray	392.46	16	105.00	41,208.29	6.56	55	3.44	21,585.29	19,622.99
042200001	Witcobond 234 B With COA	264.17	120	760.00	200,766.83	6.33	521	4.34	137,630.94	63,135.88
040508003	N-Cool No.56 (18 KGS/ CAN)	248.59	108	612.00	152,135.29	5.67	332	3.07	82,530.91	69,604.38
042100401	P005 Mold wiz	375.73	132	744.00	279,543.79	5.64	404	3.06	151,795.28	127,748.51
040507401	K70 M-Pyrol (N-Methyl-2-Pyrrolidone)	129.74	8,348	43,618.30	5,658,899.83	5.23	25670	3.07	3,330,344.34	2,328,555.49
040507002	K67 Citrikleen (MC 2 chimic)	137.20	575	2,925.00	401,310.44	5.09	1875	3.26	257,250.28	144,060.16
040107902	K17A Acetic acid (AR) (2.5 liter/bottle)	380.00	2	10.00	3,799.99	5.00	6	3.00	2,279.99	1,520.00
040109002	DECONNEX 20NS (Bottle/Kg)	2,252.63	1	5.00	11,263.16	5.00	5	5.00	11,263.16	-
040401402	K34 Sodium chloride 99% (Prolabo)	177.38	120	600.00	106,427.33	5.00	360	3.00	63,856.40	42,570.93
041500003	K63 Baysilone additive OL31	3,265.60	1	5.00	16,327.98	5.00	4	4.00	13,062.39	3,265.60
040409006	Alumina zirconia (50LB/Box)	97.21	2,500	12,300.00	1,195,650.31	4.92	4300	1.72	417,991.57	777,658.74
040200401	K61 Aquest (2 liters/bott)	1,021.51	9	44.00	44,946.37	4.89	30	3.33	30,645.25	14,301.12
040417003	K75 Dispensing agent DDBS	443.68	4	19.00	8,429.94	4.75	8	2.00	3,549.45	4,880.49
040107007	Z005 Liquid soap ultrasound D4	345.43	50	230.00	79,450.03	4.60	210	4.20	72,541.34	6,908.70
042100402	K66 Dmdes diethoxy dimethylsilane	925.49	179	771.00	713,554.15	4.31	502	2.80	464,596.87	248,957.29
040904002	S930 Anti-mousse 910 X se pour bain Xerox	631.31	43	185.00	116,792.10	4.30	158	3.67	99,746.77	17,045.33
040207402	K76 Pyridine solution (Merck)	1,140.00	4	17.00	19,380.00	4.25	5	1.25	5,700.00	13,680.00
042300001	Colloidal Zirconia Solution ZSL-20N	1,810.13	32	133.60	241,833.46	4.18	43.99	1.37	79,627.65	162,205.81
042100006	ALUMINIUM ACETYLACETONATE 99%	3,942.48	45	181.00	713,589.11	4.02	45	1.00	177,411.66	536,177.45
040000511	MOLYKOTE P40	2,942.50	1	4.00	11,770.00	4.00	0	0.00	-	11,770.00
040000512	MOLYKOTE G-N PLUS	3,764.00	1	4.00	15,056.00	4.00	0	0.00	-	15,056.00

ตาราง ก.1 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Chemicals (ต่อ)

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce	
040506035	Cleaner RM Jde 040506035 (5 LT/CAN)	1,860.76	1	4.00	6,643.04	4.00	4	4.00	6,643.04	-	
040508004	Plastic dip	5,821.30	1	4.00	23,285.21	4.00	4	4.00	23,285.21	-	
040701009	Red Dye Mitsui Mketon 2BSF	9,413.80	1	4.00	37,855.19	4.00	3	3.00	28,241.40	9,413.80	
042000001	ME GLYMO KBE-402	1,235.53	100	390.00	481,857.70	3.90	242	2.42	298,998.88	182,858.82	
040102902	K47 Hydrochloric acid 1 N (1Lts/bott)	1,250.00	14	50.00	62,500.00	3.57	26	1.86	32,500.00	30,000.00	
040418401	K79 Potassium Iodide (JT Breaker)	1,900.03	2	7.00	13,300.23	3.50	2	1.00	3,800.07	9,500.17	
310503401	P016 Rhodite 906 (cerium oxide)	40,534.79	2	7.00	283,743.55	3.50	7	3.50	283,743.55	-	
040423401	K03 Sodium hydroxide 50%	3.17	3,600	12,000.00	38,093.04	3.33	10800	3.00	34,283.74	3,809.30	
040425001	Colloidal silica MA-ST-HV (K83)	1,120.05	1,500	4,975.00	5,572,246.40	3.32	4686	3.12	5,248,552.08	323,694.31	
040000410	K72 Alkaline cleanse (hurricane 8835)	26,181.54	4	13.00	340,360.01	3.25	6	1.50	157,089.24	183,270.78	
311001005	Polishing liquid Orama 50	1,062.10	140	451.00	479,004.94	3.22	423	3.02	449,266.27	29,738.67	
040425005	Colloidal Silica 2034 DI	4,023.15	7	22.00	88,509.37	3.14	17	2.43	68,393.60	20,115.77	
									<b>22,192,681.00</b>	<b>14,886,326.52</b>	<b>7,651,278.89</b>

ตาราง ก.2 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Vaccum Coating และ Gasket Material

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce	
320000003	Magnesium fluoride (MgF2)	7293.58	5	102	743,945.31	20.40	40	8.00	291,743.26	452,202.05	
320800022	Z022 Zirconium monoxyde / pot of 500 gram	24.68	70,500	231,500	5,714,031.51	3.28	122000	1.73	3,011,282.26	2,702,749.24	
320800024	Z023 Optron SiO2 1-2 mm 1 kg./pot	2245.57	241	1,769	3,972,418.76	7.34	1173	4.87	2,634,057.21	1,338,361.55	
320800025	Z024 Of 110 optron top-coat	36.22	31,900	160,000	5,795,920.58	5.02	68500	2.15	2,481,378.50	3,314,542.08	
320800057	DSX Jde 320,800,057(20g/can)	5406.65	350	1,905	10,299,660.71	5.44	1218	3.48	6,585,294.88	3,714,365.83	
320800063	MgO JDE 320 800 063	4221.16	84	317	1,338,109.00	3.77	202	2.40	852,875.13	485,433.86	
320800069	ITO 1-2 mm.	5577.22	1	482	2,688,219.08	482.00	396	396.00	2,208,578.33	479,640.75	
320800401	Z027 Optron ZR 02 (size 18x12)	38.42	4,300	15,100	580,093.49	3.51	11800	2.74	453,318.09	126,775.40	
121501001	Gasket material WSB055B-1 (20Kgs/Bag)	342.50	7,100	53,520.00	18,330,731.86	7.54	37,520	5.28	12,850,692.30	5,480,039.36	
									<b>49,463,738.08</b>	<b>37,369,079.96</b>	<b>18,094,110.12</b>

ตาราง ก.3 แสดงข้อมูลวัสดุโภคภัณฑ์ประเภท Packaging

Item Code	Item Description	Item cost	Consume:M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
042300101	Stann BDC (1Kgs/Pail)	7452.75	10	51	360,080.30	5.10	30	3.00	223,582.53	156,507.77
750401073	E215 Envelope 85x93+50	0.91	361,000	2,835,300	2,571,187.84	7.85	1,508,700	4.18	1,368,162.48	1,203,025.35
750401076	E212 Envelop 85x93+50	0.91	1,462,800	7,720,900	7,037,845.87	5.28	3590400	2.45	3,272,763.77	3,765,082.10
750401078	Envelope for Nikon Blue bag (size 85x93)	1.35	5,000	228,000	307,400.45	45.60	228,000	45.60	307,400.45	307,400.45
750401088	Envelop 85x93+50 mm EOA Reflection Free NP	1.46	35,000	327,000	478,271.84	9.34	271,000	7.74	396,365.96	81,905.88
750401103	Envelope for GLC	0.96	98,500	602,500	577,017.80	6.12	500,000	5.08	478,852.95	98,164.85
750401105	Envelop Profile size:85x93+50	0.94	211,700	857,000	802,119.86	4.05	629000	2.97	588,720.41	213,399.45
750401111	Polycarbonate PDQ	0.98	266,500	1,280,500	1,248,564.20	4.80	1128500	4.23	1,100,355.10	148,209.10
750401120	Thin & Lite 1.67 RFNP	2.15	6,000	31,000	66,578.46	5.17	31000	5.17	66,578.46	-
750401150	Envelop for Nikon Lite 2 AS	1.16	62,500	257,000	297,826.92	4.11	167000	2.67	193,529.55	104,297.36
750401159	Envelop diamond guard NASSAU 85x93mm.	1.00	30,000	91,900	91,655.19	3.06	76500	2.55	76,296.21	15,358.98
750401161	SHORE UNC D60	1.21	10,000	40,500	49,033.71	4.05	22000	2.20	26,635.60	22,398.12
750401162	SHORE TRIO Envelope	1.29	30,000	187,500	242,103.56	6.25	159,000	5.30	205,303.82	36,799.74
750401163	SHORE PDQ Envelope	1.02	37,000	160,400	163,480.83	4.34	110400	2.98	112,520.47	50,960.36
750401170	VIDA SP ECC	1.07	39,500	278,500	297,402.35	7.05	257,500	6.52	274,977.04	22,425.31
750401177	SHORE UNC D70	0.92	48,600	835,700	770,676.86	17.20	475,500	9.78	438,502.87	332,173.99
750401178	Envelope for Nassau 70 Kromos SHORE	0.97	10,800	399,400	388,637.37	36.98	372,200	34.46	362,170.33	26,467.04
750401200	Envelope Profile Reflection Free NP	1.75	15,000	60,000	105,291.45	4.00	36000	2.40	63,174.87	42,116.58
750401202	Envelope Gentex Polycarbonate Red	1.50	10,000	36,500	54,680.94	3.85	69500	6.95	104,060.43	-
750402001	Vision Art (BBGR ISBIR)	1.09	124,500	447,500	487,281.86	3.59	304000	2.44	331,024.99	156,256.86
750402026	E114 Envelope 85x85+50	0.87	1,309,800	5,409,800	4,722,374.01	4.13	3674400	2.81	3,207,492.15	1,514,881.85
750402100	E214 Envelope 85x85+50	0.91	1,758,900	9,258,500	8,449,854.28	5.26	4156700	2.36	3,793,650.08	4,856,204.20
750402107	Nikon Blue bag (size 85x85)	1.50	5,000	45,000	67,325.09	9.00	43,000	8.60	64,332.86	2,992.23
750402112	E131 Envelope 85x85+50 (PRIMA)	1.18	16,000	1,472,000	1,743,274.14	92.00	1459000	91.19	1,727,878.38	15,395.76
750402153	Envelope R+H	1.32	68,000	603,000	797,407.26	8.87	353,000	5.19	466,807.24	330,600.03
750402166	Envelope 85x85 FOR AS D65 & D70 r	1.72	34,000	113,000	193,977.04	3.32	82000	2.41	140,762.10	53,214.94
750802008	Export carton long size 406x406x263	28.50	5	270	7,895.00	54.00	97	19.40	2,764.50	4,930.50
751010010	Box for SF Ref,	2.25	4,800	124,800	280,313.89	26.00	124,800	26.00	280,313.89	280,313.89
751010011	Box for SF Ref,	1.11	91,200	298,215	331,015.97	3.27	294220	3.23	326,581.55	4,434.41
751010012	Box for SF Ref,	0.95	31,335	132,338	125,324.64	4.22	105733	3.37	100,129.60	25,195.05
751010044	Box for SFSV 1.67 SPH I1H4 or MITHRIL	0.78	35,675	122,615	95,827.73	3.44	101725	2.85	79,501.50	16,326.23
751010056	Box for SF PAL 1.67 Ovation	1.00	73,300	305,650	304,895.20	4.17	209980	2.86	209,461.45	95,433.74
751010062	Varilux Ellipse	1.14	76,770	275,400	312,642.15	3.59	174865	2.28	198,534.58	114,107.57
751010180	Box anti fatigue	0.99	28,700	110,015	109,241.77	3.83	78250	2.73	77,700.03	31,541.74
751010181	Box for Varilux Physio	1.21	59,470	194,825	236,183.23	3.28	130945	2.20	158,742.53	77,440.70

ตาราง ก.3 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Packaging (ต่อ)

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
751010233	Box Accolade Ref:751010233	0.78	35,995	118,015	92,163.07	3.28	100720	2.80	78,856.65	13,506.42
751401005	Cup for SF Ref, 97 10 005	1.39	21,420	67,455	94,044.15	3.15	60035	2.80	83,699.36	10,344.79
751401018	Cup for SF Ref, 97 10 068	1.16	36,890	262,570	303,508.63	7.12	82,460	2.24	95,316.76	208,191.87
751401019	Cup for SF Ref, 97 10 067	1.38	21,000	94,080	130,206.72	4.48	119350	5.68	165,180.40	-
751401063	Cup Ref. R9710058 - for SFSV1.67	1.20	184,430	561,330	671,898.99	3.41	366660	2.23	438,883.51	233,015.47
752803001	Plastic bag (big) 1500x900 JDE 752803001	26.46	100	2,050	54,248.85	20.50	1,700	17.00	44,986.85	9,262.00
752804043	Plastic bag dyopack E92198 125x125 mm	4.72	30,400	124,800	588,903.52	4.11	89600	2.95	422,802.53	166,100.99
840809002	Lable for Semifinished size 64x42 cm	450.00	84	530	238,500.00	6.31	198	2.36	89,100.00	149,400.00
					<b>36,367,953.00</b>				<b>22,244,276.80</b>	<b>14,795,783.71</b>



ตาราง ก.4 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Other

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
040201003	Z018 Oil primary pump N62 drum51	534.10	195	750	400,575.33	3.85	580	2.97	309,778.26	90,797.08
040201004	Oil GS77 for Sogevacpumps	10396.86	2	17	176,746.61	<b>8.50</b>	8	4.00	83,174.67	93,571.73
040201019	Z019A Oil silicone ref :P/N. DC 704 01	18441.04	14	60	1,106,462.50	4.29	19	1.36	350,379.79	756,082.71
040809014	Arcotec Ink 30 mN / m with	22.74	27	227	5,161.35	<b>8.41</b>	139	<b>5.15</b>	3,160.48	2,000.88
040900403	Z033 Neo vac oil EP 83 (MKI) V09-3301-5	7151.11	1	15	107,266.66	<b>15.00</b>	11	<b>11.00</b>	78,662.22	28,604.44
040901009	EN BETRONOL EP214	135.64	125	598	81,111.64	4.78	373	2.98	50,593.05	30,518.59
040903402	S649 Vacuum pump oil ref PP10 PIEL	999.05	2	17	16,983.83	<b>8.50</b>	13	<b>6.50</b>	12,967.63	3,996.19
040903404	Z035 Lion-S oil V09-1101-3	5051.16	15	48	242,455.49	3.20	45	3.00	227,302.03	15,153.47
041003401	S927 Helium gas	3900.00	1	5	19,500.00	<b>5.00</b>	2	2.00	7,800.00	11,700.00
080901117	S901 Metal alloy 117	8484.78	20	130	1,103,021.75	<b>6.50</b>	92	4.60	780,600.01	322,421.74
100200004	Z001 Shield, sight glass, 122MM	102.86	700	5,493	563,910.86	<b>7.85</b>	4300	<b>6.14</b>	441,437.59	122,473.27
121110016	Electrostatic film (Set of 6 rolls)	1356.94	564	2,466	3,346,217.41	4.37	1148	2.04	1,557,768.69	1,788,448.72
210424002	Z004A Test lens orna 24 MM. (thick)	137.86	100	1,400	193,002.40	<b>14.00</b>	1400	<b>14.00</b>	193,002.40	193,002.40
280108004	Wheel CMV D 181 BZ 5314 C 75	9909.12	1	18	179,364.16	<b>18.00</b>	20	<b>20.00</b>	198,182.40	-
282004003	Pellet 10x3 D15 B FS499 C35	116.38	400	4,450	517,812.42	<b>11.13</b>	3100	<b>7.75</b>	360,723.26	157,089.16
282009001	Pellons Delamare DS03041 (diam 70-4E)	12.93	999	5,500	71,104.59	<b>5.51</b>	1500	1.50	19,392.16	51,712.43
282009002	Pellons DS030401 diam 80-4E	15.19	500	5,500	83,535.39	<b>11.00</b>	4000	<b>8.00</b>	60,753.01	22,782.38
282009003	Pellons DS030401 diam 90-4E	14.15	500	6,000	84,900.90	<b>12.00</b>	4500	<b>9.00</b>	63,675.68	21,225.23
282009004	Pellons DS030401 100-4E	17.33	500	4,500	77,981.09	<b>9.00</b>	3500	<b>7.00</b>	60,651.96	17,329.13
289000001	Wheel LOH 99BZ 04 100.5 12.66 L4	32996.28	1	5	164,981.40	<b>5.00</b>	2	2.00	65,992.56	98,988.84
290101071	Smoothing grid VVG dia 71	7.47	600	4,900	36,587.86	<b>8.17</b>	2300	3.83	17,173.89	19,413.96
290101080	Smoothing grid VVG dia 80	9.36	500	5,957	55,778.07	<b>11.91</b>	1900	3.80	17,790.55	37,987.51
290101090	Smoothing grid VVG dia 90	12.86	200	4,200	54,015.88	<b>21.00</b>	2500	<b>12.50</b>	32,152.31	21,863.57
290101102	Smoothing grid VVG dia 102	16.75	200	25,300	423,754.97	<b>126.50</b>	23300	<b>116.50</b>	390,256.55	33,498.42
290103102	Smoothing grid slited diam 102	3.27	200	2,320	7,591.51	<b>11.60</b>	2320	<b>11.60</b>	7,591.51	-
290202187	Flet diam 87	71.73	20	990	71,013.30	<b>49.50</b>	990	<b>49.50</b>	71,013.30	-
291202102	Felt diam 102	90.82	20	680	61,757.60	<b>34.00</b>	600	<b>30.00</b>	54,492.00	7,265.60
291202171	Felt diam 71 (high curve)	481.54	20	810	390,046.19	<b>40.50</b>	950	<b>47.50</b>	457,461.58	-
291202177	Felt diam 77	60.20	20	790	47,558.34	<b>39.50</b>	600	<b>30.00</b>	36,120.26	11,438.08
292026203	Polyurethane EP 2.03 LP26	4762.24	1	9	42,860.16	<b>9.00</b>	6	<b>6.00</b>	28,573.44	14,286.72
292402006	S604 Sovra Pad dia 170	330.31	80	763	252,028.91	<b>9.54</b>	535	<b>6.69</b>	176,717.52	75,311.39
310000401	P006 Polishing paste-semi Chrome	365.03	48	174	63,514.37	3.63	102	2.13	37,232.56	26,281.81
310000405	P011 Alumina polishing compound 0.3 micron	10844.88	4	16	173,518.10	4.00	13	3.25	140,983.46	32,534.64
313001085	PAD Ref.313001085 DABV-Diam 85-70E	4241.85	48	231	979,868.36	4.81	204	4.25	865,338.29	114,530.07
320102015	Z011 EBG cathode 14 (Edged cathode)	743.71	360	3,160	2,350,119.91	<b>8.78</b>	1840	<b>5.11</b>	1,368,424.25	981,695.66
320201001	Z021 Cruc.Tantal. striated base	211.21	920	4,260	899,744.52	4.63	2360	2.57	498,450.01	401,294.50
320400002	Vectron 6MHz Crystal Quartz	1562.96	490	1,880	2,938,370.37	3.84	1140	2.33	1,781,777.78	1,156,592.59

ตาราง ก.4 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Other (ต่อ)

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
320404005	Z016C Quartz crystal Inficon 6 MHz	306.64	40	220	67,460.32	5.50	210	5.25	64,393.94	3,066.38
389900002	S645 Aluminum cup (for HC)	392.59	4	17	6,674.11	4.25	14	3.50	5,496.33	1,177.78
389900402	S648 Spatula epoxy for semi-finished	352.45	10	144	50,753.23	14.40	134	13.40	47,226.70	3,524.53
480212001	Spet bearing JDE 480212001	453.55	10	409	185,502.83	40.90	399	39.90	180,967.31	4,535.52
590101004	Tissus 20x20 Lycra	643.96	17	121	77,919.62	7.12	82	4.82	52,805.03	25,114.59
590106401	S505 Cleaning suede cloth	23527.85	2	23	541,140.65	11.50	18	9.00	423,501.38	117,639.27
590201008	Pre-filter Aerofil A-Pleat 25-35%	280.00	2	11	3,080.00	5.50	10	5.00	2,800.00	280.00
590201401	S406 Cuno filter WYND DPPPL-3	650.00	4	92	59,800.00	23.00	92	23.00	59,800.00	59,800.00
590201404	S419 Standard netclean 490x490x149	6418.76	1	6	38,512.54	6.00	2	2.00	12,837.51	25,675.03
590201407	S423 CLINO MPF-J #JEP50R10PMV,50 MICRON	180.00	1	8	1,439.99	8.00	1	1.00	180.00	1,259.99
590201410	S429 Filter microgon P/N MK 2M-204-V6N	1513.80	67	248	375,422.52	3.70	134	2.00	202,849.27	172,573.26
590201412	S440 CLINO MICRO WYND DPPPY-2	500.00	2	30	15,000.00	15.00	30	15.00	15,000.00	-
590201413	S441 CLINO MICRO WYND DPPPF-2	460.03	1	15	6,900.38	15.00	15	15.00	6,900.38	-
590201414	S443 Filter ultipor OF plus	2730.69	1	8	21,845.56	8.00	8	8.00	21,845.56	21,845.56
590201415	S444 Filter ultipor GL plus 10	2200.00	95	503	1,106,600.00	5.29	129	1.36	263,800.00	822,600.00
590201427	S466 Filter 20 1PM MCY1002U010ZH13	5900.00	6	28	165,200.00	4.67	19	3.17	112,100.00	53,100.00
590201431	Filter for Flowbox CC-500 Size:50x60cm	170.45	3	27	4,602.27	9.00	27	9.00	4,602.27	-
590203403	S412 Sartopure PP2 ref. 5592103 P1 1.2 M 10	1695.62	35	174	295,038.17	4.97	64	1.83	108,519.79	186,518.38
590203404	S413 Sartopure ref. 5522101 P1 8 MC 10	1627.45	1	32	52,078.52	32.00	32	32.00	52,078.52	-
590203410	S438 Sartopure PP2 ref.5592103 P2 1.2 MIC 20	5732.99	2	14	80,261.79	7.00	14	7.00	80,261.79	-
590204025	S461 Polyprop filter (RM1F050)	269.73	7	27	7,282.81	3.86	26	3.71	7,013.08	269.73
590204032	RM1F400H21 Profile Filter Cartridge	1108.20	2	154	170,662.14	77.00	154	77.00	170,662.14	-
754500025	Tape 3M for Lens Test	691.58	62	306	211,623.54	4.94	171	2.76	118,260.21	93,363.33
754602004	Cushion molds	1.11	33000	199,000	220,072.11	6.03	84000	2.55	92,894.76	127,177.35
810400001	Sand GS N.10	17.72	3925	22,500	398,649.07	5.73	18825	4.80	333,536.39	65,112.68
840013418	Gloss sticker size 4x3	530.00	64	265	140,450.00	4.14	189	2.95	100,170.00	40,280.00
840013419	Ribbon wax resin out size	570.00	93	297	169,290.00	3.19	98	1.05	55,860.00	113,430.00
840013421	Gloss sticker size 4x3 Orange	561.31	18	121	67,918.32	6.72	63	3.50	35,362.43	32,555.89
840013432	Sticker FDA for Nikon Solidia	0.00	4000	16,000	-	4.00	16000	4.00	-	-
840705018	Magic Roller No.500 (1mm Point)	34.92	39	203	7,088.02	5.21	119	3.05	4,155.05	2,932.97
840705021	Zebra high macky (black bold face)	12088.88	1	7	84,622.14	7.00	6	6.00	72,533.26	12,088.88
840817405	Ribbon for Monarch printer PAXAR	1900.00	23	135	258,500.00	5.87	64	2.78	121,600.00	134,900.00
841101004	MC04 Mold withdrawal & return D 71	0.00	3	14	-	4.67	7	2.33	-	-
841101005	MC05 Mold withdrawal & return D 71	0.00	1	6	-	6.00	6	6.00	-	-
841101007	MC07 Mold withdrawal & return D 77	0.00	1	4	-	4.00	4	4.00	-	-
841101008	MC08 Mold withdrawal & return D 77	0.00	2	16	-	8.00	9	4.50	-	-
841101009	MC09 Mold withdrawal & return D 83	0.00	1	12	-	12.00	11	11.00	-	-

ตาราง ก.4 แสดงข้อมูลวัสดุโภคภัณฑ์ประเภท Other (ต่อ)

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
841101010	MC10 Mold withdrawal & return D 83	0.00	2	10	-	5.00	9	4.50	-	-
841101012	MC12 Mold withdrawal & return D 83	0.00	1	59	-	59.00	59	59.00	-	-
841101013	MC13 Mold withdrawal & return D 87	0.00	2	10	-	5.00	8	4.00	-	-
841101015	MC15 Mold withdrawal & return D 90	0.00	1	27	-	27.00	27	27.00	-	-
841101016	MC16 Mold withdrawal & return D 90	0.00	1	4	-	4.00	4	4.00	-	-
841101056	Adjustment Data MC-01-08-01	0.00	2	16	-	8.00	14	7.00	-	-
841101102	CC02 Process control report(ZCC-01-16-01-2)	0.00	7	24	-	3.43	10	1.43	-	-
841101103	CC04 Random lenses inspection	0.00	7	25	-	3.57	11	1.57	-	-
841101105	CC06 Shift schedule for Concave curing oven	0.00	1	21	-	21.00	19	19.00	-	-
841101204	CX04 Demold/bubble, raptex & leaking problem	0.00	3	53	-	17.67	51	17.00	-	-
841101306	IN07 Delivery gasket check (IN-01-07-01-1)	0.00	6	19	-	3.17	19	3.17	-	-
841101308	IN09 Process control report	0.00	3	43	-	14.33	37	12.33	-	-
841101510	QC10 Form MCE	0.00	5	28	-	5.60	28	5.60	-	-
841101511	QC11 Optical-prism defect monitoring	0.00	2	16	-	8.00	16	8.00	-	-
841104006	GD06 Training record & Evaluation	0.00	2	43	-	21.50	43	21.50	-	-
841105010	Adjustment Data ST-01-00-03-2	0.00	1	22	-	22.00	22	22.00	-	-
841107032	Molding condition sheet PC-01-75-01-2	0.00	4	30	-	7.50	0	0.00	-	-
841107033	Molding condition sheet PC-01-76-01-1	0.00	2	10	-	5.00	0	0.00	-	-
841107034	Molding condition sheet PC-01-68-01-1	0.00	4	31	-	7.75	11	2.75	-	-
841107035	Molding condition sheet PC-01-60-01-1	0.00	3	10	-	3.33	12	4.00	-	-
841107040	Molding condition sheet PC-01-74-01-2	0.00	4	31	-	7.75	0	0.00	-	-
841107043	Precontrol-Chart for Pit detect monitoring m/c	0.00	6	21	-	3.50	0	0.00	-	-
841203003	6 colour print wheel alpha-log PC 50073913	3000.00	1	6	18,000.00	6.00	6	6.00	18,000.00	-
841205202	T021 Ticket for progressive yellow/T	0.00	10000	40,000	-	4.00	30000	3.00	-	-
841205204	T023 Ticket for rogressive pink/M	0.00	10000	40,000	-	4.00	20000	2.00	-	-
841405003	S737 Stock card green	0.00	200	2,200	-	11.00	2200	11.00	-	-
841507002	Cartridge-Pen 7005-92 (Red)	920.00	2	7	6,440.00	3.50	5	2.50	4,600.00	1,840.00
841507003	PRINT ROLL PAPER 7005-60 MINI-STRA	2500.00	1	7	17,500.00	7.00	3	3.00	7,500.00	10,000.00
870703006	S632 VWhite rubber JDE 840703006	15.93	15700	62,873	1,001,271.15	4.00	48673	3.10	775,131.95	226,139.21
960101010	S602 Metal opening tool No.10	1196.95	30	183	219,041.31	6.10	71	2.37	84,963.24	134,058.07
960101012	S603 Metal opening tool No.12	1085.86	39	225	244,319.24	5.77	150	3.85	162,879.49	81,439.75
960101013	Metal opening tool No.10 (Ormex)	300.00	6	50	15,000.00	8.33	24	4.00	7,200.00	7,800.00
960103160	R218 Lenses rack diam 60 TC	0.00	100	400	-	4.00	400	4.00	-	-
960103365	R223 Lenses rack 65 TCD	0.00	42	252	-	6.00	242	5.76	-	-
960103963	Lenses rack SF 74	0.00	32	160	-	5.00	160	5.00	-	-
960104003	R233 Raptex rack for clean blue	0.00	30	116	-	3.87	52	1.73	-	-
960105090	S180 Clip diameter 90 No.7903	0.00	1000	11,029	-	11.03	11029	11.03	-	-

ตาราง ก.4 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Other (ต่อ)

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
960106004	S618 Knife for demolding (handle)	446.25	10	41	18,296.12	4.10	41	4.10	18,296.12	-
960106005	S620 Edging bladesknife edging matching blade	2994.98	50	446	1,335,759.10	8.92	376	7.52	1,126,110.81	209,648.29
960106006	S625 Knife for demolding drawing No.80231TE	500.00	41	143	71,500.00	3.49	127	3.10	63,500.00	8,000.00
960106007	S652 Blade of cross hatch tool for ISTM	1320.96	1	5	6,604.78	5.00	3	3.00	3,962.87	2,641.91
960106010	Blade for Edging M/C Dia: Dx120	2199.62	310	1,360	2,991,484.46	4.39	810	2.81	1,781,892.95	1,209,791.51
960107002	FSV Lens Box (Nikon) FS2	2215.34	80	261	578,204.02	3.26	261	3.26	578,204.02	-
960107007	CF Lens box CF2	2500.00	20	156	390,000.00	7.80	156	7.80	390,000.00	-
960109001	S315 Balancel's carrier ring # 5857	2100.00	1	4	8,400.00	4.00	4	4.00	8,400.00	-
960200087	S615 Plastic seal diam 87 code:PP3 8603	291.76	10	46	13,421.12	4.60	36	3.60	10,503.48	2,917.63
960201102	Dis-assembly wedge (Teflon) for MR8	550.00	83	258	141,900.00	3.11	223	2.89	122,850.00	19,250.00
960202071	R204 Mold rack diam 71 (container)	0.00	50	434	-	8.68	384	7.68	-	-
960202077	R203 Mold rack diam 77 (container)	0.00	100	513	-	5.13	483	4.83	-	-
960202083	R202 Mold rack diam 83 (container)	0.00	81	454	-	7.44	454	7.44	-	-
960202087	R201 Mold rack diam 87 (container)	0.00	30	742	-	24.73	742	24.73	-	-
960202175	R227 Mold rack diam 75 plastic	0.00	20	628	-	31.40	628	31.40	-	-
960301005	P504 Tissue paper small roll Cellox original	0.00	2520	11,040	-	4.38	3600	1.43	-	-
960301013	Cleaning tissue WMPALL L40 for FOG ID M/C	241.06	29	852	157,168.14	22.48	566	19.52	136,437.37	20,730.77
960409001	S153 Brush-Nylon (small)	150.73	92	422	63,807.35	4.59	245	2.86	36,928.44	26,878.91
960409004	S605 Brusher type violon 60/100	206.96	314	2,615	541,207.99	8.33	1345	4.28	278,365.10	262,842.88
960500004	S606 Rubber Hutchinson 250mm. Drill D210	178.97	20	270	48,321.85	13.50	215	10.75	38,478.51	9,843.34
960502001	P501 Disposable syringe 1 ML	3.80	100	400	1,520.00	4.00	400	4.00	1,520.00	-
960511008	Yellow rectangular BMP Code JDE 389800002	69.84	12	50	3,491.95	4.17	21	1.75	1,486.62	2,025.33
960511009	Seluyf Cloth (optional)	248.08	7	38	8,930.99	5.14	28	3.71	6,450.16	2,480.83
960511012	Paraffin paper 105 No. 61-1602-2	139.47	6	23	3,207.88	3.83	19	3.17	2,849.99	557.89
960511013	Thermal paper L9028	250.00	18	67	16,750.00	3.72	37	2.06	9,250.00	7,500.00
960511017	Assembly Tape ST4238-AL40 (30mmX50m)	789.94	10	1,030	813,642.48	103.00	1030	103.00	813,642.48	-
960511018	Assembly Tape ST4238-AL40 (20mmX50m)	521.48	30	837	436,480.02	27.90	785	26.17	409,362.98	27,117.04
960511020	Plastic can with cover size 8 liters	0.00	1	26	-	26.00	26	26.00	-	-
960702001	S630 Nozzle # 8425-15	227.90	5	48	10,939.42	9.60	36	7.20	8,204.57	2,734.86
960909006	S932 Wooden hammer head	0.00	10	189	-	18.90	156	15.60	-	-
960909007	S933 Yellow ink Y57-86 (1 LT./BOTT)	1589.44	4	22	34,527.71	5.50	13	3.25	20,402.74	14,124.97
960910002	Z041 Recorder color pen (blue)	1040.46	20	100	104,046.39	5.00	50	2.50	52,023.20	52,023.20
960910004	Z002 Aluminium, sopelin roll 50x0.33	313.71	142	917	287,673.74	6.46	463	3.26	145,248.57	142,425.16
960910006	Z029 EBG filament D 0.8 mm (Miki)	933.87	50	260	242,806.66	5.20	150	3.00	140,080.77	102,725.90
960910007	Z030 IBG filament D0.55 MM(MIKI)	21.74	20	480	10,436.51	24.00	480	24.00	10,436.51	-
960910008	Z031 Cathode filament for Ion-Gun (Common)	193.07	580	3,230	623,632.15	5.47	1800	3.05	347,534.95	276,097.21
960910010	Z038 Gas distributor for Ion-Guns mark II	4167.43	26	229	954,341.65	8.81	83	3.19	345,896.76	608,444.90

ตาราง ก.4 แสดงข้อมูลพัสดุโภคภัณฑ์ประเภท Other (ต่อ)

Item Code	Item Description	Item cost	Consume/M	Onhand-Jan	Value-Jan	SC-Jan	Onhand-Sep	SC-Sep	Value-Sep	Reduce
960910012	Z044 Cathodeplate Ceramic disc 10pcs/set	2176.57	2	12	26,118.84	6.00	7	3.50	15,235.99	10,882.85
960910015	Cathode plates (10 pcs) PR35 P/N: 16294	2900.61	1	59	171,135.97	59.00	57	57.00	165,334.75	5,801.22
960911001	Complete ink-pot dia.90 for CTEA-PPL	28625.70	5	16	458,011.17	3.20	11	2.20	314,882.68	143,128.49
970201008	Cushion paper	2914.98	6	26	75,789.55	4.33	23	3.83	67,044.80	8,744.95
970201013	Blade of NT cutter (Model:BA-170) for 1.67	490.00	3	15	7,350.00	5.00	13	4.33	6,370.00	980.00
970201014	Plastic wire packing	0.00	2	8	-	4.00	5	2.50	-	-
970208003	S640 Steel wool	169.78	10	128	21,731.57	12.80	98	9.80	16,638.23	5,093.34
970302003	Goggle Model GOG-N300	143.00	7	31	4,433.00	4.43	11	1.57	1,573.00	2,860.00
970303003	S807 Ear cover	270.00	1	33	8,910.00	33.00	33	33.00	8,910.00	-
970304019	Nylon glove rubber coat No.8 code: 24300B	60.00	48	174	10,440.00	3.63	61	1.27	3,660.00	6,780.00
970304026	Polythylene long glove (Disposal)	368.46	54	201	78,081.20	3.72	124	2.30	48,189.50	29,911.70
970305003	S114 Blue overalls	97.93	11	356	34,863.98	32.36	336	30.55	32,905.33	1,958.65
970305007	Smock Anti static blue size L	294.44	9	91	26,794.44	10.11	47	5.22	13,838.89	12,955.56
970306001	S809 Safety shoes (man)	500.00	20	70	35,000.00	3.50	22	1.10	11,000.00	24,000.00
970306101	S810 Safety shoes (woman)	318.92	5	166	52,940.13	33.20	153	30.60	48,794.22	4,145.91
970309002	S802 Mask cover model 2500	140.00	1	30	4,200.00	30.00	25	25.00	3,500.00	700.00
970309009	Spart part of Filter Mask Body	63.50	2	21	1,333.50	10.50	13	6.50	825.50	508.00
970311006	S187 Tape PVC pink color	160.00	2	22	3,520.00	11.00	20	10.00	3,200.00	320.00
973003402	Green Paper A4 (80g)	0.00	11	42	-	3.82	17	1.55	-	-
973005001	S170 Battery 9V	0.00	14	56	-	4.00	34	2.43	-	-
973005004	S182 Dry battery size D	0.00	6	78	-	13.00	72	12.00	-	-
975102013	S232 Anti scale (5 LTS)	0.00	3	10	-	3.33	8	2.67	-	-
975102018	P512 Deodorant solution	0.00	3	23	-	7.67	17	5.67	-	-
975103006	Recycle box	0.00	3	22	-	7.33	19	6.33	-	-
975201001	C105 Plastic white bag size 10x10 cm	96.48	25	100	9,648.00	4.00	35	1.40	3,376.80	6,271.20
975201004	C113 Plastic bag hand carry 6x14	0.00	15	76	-	5.07	71	4.73	-	-
975201005	Sand Bin (red color) KT G-16KS	250.00	2	12	3,000.00	6.00	3	1.50	750.00	2,250.00
975202006	C108 Garbage bag size 21x22x0.15 cm	25.37	30	294	7,457.42	9.80	153	5.10	3,880.90	3,576.52
979900003	S159 Wire	0.00	4	34	-	8.50	26	6.50	-	-
28011001P	Wheel CMV D 151 c75	16703.72	1	8	133,629.74	8.00	8	6.00	100,222.31	33,407.44
290501076P	Polishing Pad diam 76 (500pcs/pack)	4683.21	1	10	46,832.07	10.00	5	5.00	23,416.03	23,416.03
290501083P	Polishing Pad diam 83 (500pcs/pack)	5090.22	2	11	55,892.39	5.50	4	2.00	20,360.87	35,531.52
290501101P	Polishing pad diam 101(500/pack)	3878.33	2	87	337,414.55	43.50	77	38.50	298,631.27	38,783.28
					<b>35,333,776.57</b>				<b>22,938,097.90</b>	<b>12,756,900.26</b>

ตารางที่ ก.5 แสดงมูลค่าของพัสดุโกคภัณฑ์ประเภทเคลื่อนไหวช้า (Sleeping Stock)  
ก่อนและหลังการปรับปรุง

Item Code	Item Description	Item cost	Onhand-Jan	Value Onhand	Scrap Value
006001026	Diaphragm ED-40101-B SILICONE GASKET	53.25	360	19,171.28	
006001036	Pneumatic Nipper Jaw Special Double Rad	24379.42	92	2,242,906.69	511,967.83
006001173	Diaphragm EN-400249-A NRB GASKET	50.00	280	14,000.00	
040102905	Hydrochloric acid 0.5 N	1065.04	59	62,837.10	62,837.10
040423401	K03 Sodium hydroxide 50%	3.17	12000	38,093.04	38,093.04
040704001	SOFI-MR8-NBR (500g/bottle)	3936.71	2.5	9,841.78	9,841.78
040901403	Oil shell corena P100 200L for air comp.	19033.33	2	38,066.67	38,066.67
041003401	S927 Helium gas	3900.00	5	19,500.00	19,500.00
210424002	Z004A Test lens orna 24 MM. (thick)	137.86	1400	193,002.40	193,002.40
290500401	P012 Pad 5 solid round, PAWFA 5 Morris	36.47	300	10,940.13	10,940.13
320800026	Crizal (linear) mask ref:E12317CRZ102-A02	515.27	500	257,636.74	257,636.74
332000015	Fog ID Mask Mylar (Box of 100pcs.)	390.13	100	39,012.78	39,012.78
590201401	S406 Cuno filter WYND DPPPL-3 30, 50 Micron	650.00	92	59,800.00	59,800.00
590201414	S443 Filter ultipor GF plus MCY 1001U030ZH13	2730.69	8	21,845.56	21,845.56
590201416	S445 Filter carbon filter 10 ref.NCP-BB	1000.00	9	9,000.00	9,000.00
590204025	S461 Polyprop filter (RM1F050)	269.73	27	7,282.81	7,282.81
750401114	Envelop UV NT1 RFNP Size 85x93mm	1.86	0	-	
750401204	SPH TAN RFNPEZ MC3 DSX AZUR WALMART	1.24	49000	60,957.26	60,957.26
751401072	Cup Ret. 9710061 Dia. 6"	1.18	80290	94,858.59	94,858.59
840013424	Altius M sticker	5.00	500	2,500.00	
841203002	Printed roll paper 58M neutral alpha-log	600.00	10	6,000.00	
841502001	Chart for DPR100 #46180582-001	240.00	14	3,360.00	
960104001	S318 Acid rack # 5829	3300.00	11	36,300.00	36,300.00
960104002	S320 Acid rack Ormex	2899.95	4	11,599.80	11,599.80
960105077	S177 Clip diameter 77,83,87 No.7570	17.00	5000	85,000.00	85,000.00
960107004	SF Lens box SF2	2290.46	28	64,133.00	64,133.00
960500011	PE sticky roller 200 mm. x 20m.	230.00	20	4,600.00	
960502001	P501 Disposable syringe 1 ML	3.80	400	1,520.00	
960701001	MT01 Flexible hose size ID32*OD41	9500.00	1	9,500.00	9,500.00
960701002	MT02 Flexible hose size ID38*OD48	14160.00	1	14,160.00	14,160.00
960911001	Complete ink-pot dia.90 for CTEA-PPL	28722.60	16	459,561.64	459,561.64
970201013	Blade of NT cutter (Model:BA-170) for 1.67	490.00	15	7,350.00	
973001103	HP19 HP Toner C4151A	5858.00	3	17,574.00	17,574.00
973001129	Brother Drum Unit DR-8000	4150.00	1	4,150.00	
973001202	HP31 NEC P7 300	48.07	47	2,259.40	2,259.40
			<b>Total</b>	<b>3,928,320.65</b>	<b>2,134,730.52</b>

ตารางที่ ก.6 แสดงมูลค่าของพัสดุโกกภัณฑประเภทไม่มีการเคลื่อนไหวเลย (Dead Stock)  
ก่อนและหลังการปรับปรุง

Item Code	Item Description	Item cost	Onhand-Jan	Value Onhand	ScrapValue
040000501	P514 Hardness indicator solution code:26958	6186.67	3	18,560.00	
040000502	P515 Hardness buffer solution code:2695753	2133.33	3	6,400.00	
040000503	P516 Hardness standard 0 MGL code:26962	2730.00	2	5,460.00	
040000504	P517 Hardness standard 5MG/L code:26963-53	2730.00	2	5,460.00	
040101404	Cleaner F-6 (20Kgs/Can) with Certificate	377.79	1,500	566,679.20	566,679.20
040102903	K54 Hydrochloric acid AR grade 0.1N (Merck)	284.05	28	7,953.28	
040102906	Acid Silicique (Box of 1kg)	4046.72	9	36,420.47	
040106402	Nitrate de Potassium (Drum of 25kg)	665.70	425	282,924.41	282,924.41
040107403	Membrane Clearing solution #2 caustic	1400.00	4	5,600.00	
040107405	Membrane clearing solution #1 (Acid)	1400.00	3	4,200.00	
040109002	DECONNEX 20NS (Bottle/Kg)	2252.63	5	11,263.16	
040208001	Neodisher KS	836.46	2	1,672.91	
040304404	Nicca Sunclean AL-500 (22 KGS/ CAN)	192.72	2,354	453,652.87	453,652.87
040304902	NEONOL 20 (18kgs/can)	703.46	36	25,324.73	
040401500	Iodine solution 0.1N	1960.00	2	3,920.00	
040421902	K62 Sodium thiosulfate 0.01 N.	436.83	95	41,498.85	
040423406	Sodium Nitrate	6.20	2,250	13,941.11	
040430401	K11 Sodium carbonate (40 kgs/bag)	10.44	320	3,340.00	
040504401	K09 Methylene chloride(265,250 kgs/drum)	31.00	2,000	61,999.99	61,999.99
040600002	Mixed Bed Resin "Agua-medi" ER-8150	350.00	100	35,000.00	
040605002	Loctite 401 Jde 040605002	1410.23	1	1,410.23	
040702001	Dye Yellow Teratop NFG	1686.69	11	18,553.61	
040704002	N7	1993.35	18	35,880.37	
040901500	Castrol no. 200	227.51	18	4,095.24	
040903403	Z034 Mechanic fluid Z99-4393-1	3680.55	11	40,486.09	
040905008	Grease MOLYCOTE JDE 040905008	4257.78	6	25,546.70	
041010002	Detergent Lancer L.L.L.	1420.86	20	28,417.26	
041010014	Neutralisant Lancer N.L.L.	2133.57	10	21,335.74	
210424003	Z004B Tested lens orma 24 MM.	9.45	12,600	119,093.26	119,093.26
280801004	Wheel LOH 99BZ 04 94.5.12.66 L4D151BZ5314	17192.58	5	85,962.92	
281600002	Notching wheel EP 5mm plan M.94.05.031	3012.52	4	12,050.07	
290501005	PAD DIAM 25 GAM 200 ROULEAU DE 1000	1665.74	36	59,966.52	
291202099	Polishing wheel :HAXO code 44720	2885.90	6	17,315.43	
291202177	Felt diam 77 JDE 291202177	36.15	790	28,561.80	
291202183	Felt diam 83 JDE 291202183	42.74	800	34,193.58	
310000404	P010 Microgrit WCA type 40T	4545.35	3	13,636.05	
320800056	OPTOOL DSX (100g/bottle)	462.98	2,200	1,018,554.18	1,018,554.18
335400013	Scraper for Stamping MC	6269.41	10	62,694.11	
580707001	Wetstone for B1001 wheel JDE 580707001	199.44	4	797.74	
590200076	S460 Active coal filler JDE:590200076	209.32	6	1,255.90	
590201010	Absolute filter 1.2 micron 10 XMWE0121F1E0	2073.42	2	4,146.85	
590203413	Filter 30 inch Size 1 m/c	265.00	28	7,420.00	
590204028	Filter XSCH-100 1FOXO	150.83	64	9,653.25	
590207001	Filter of Schaublin #INT50050100	2698.82	4	10,795.27	
750401002	E127 Envelope 85x93+50mm (Boots)	1.56	142,000	221,854.98	221,854.98
750401078	Envelope for Nikon Blue bag (size 85x93)	1.35	228,000	307,400.45	307,400.45
750401099	Envelope code for 1.67 FSV Aspheric MC3	1.20	219,000	262,176.29	262,176.29
750401108	Envelop FSV1.67 Mithril/Mithril Cz.	1.18	-	-	-
750402137	Envelopes CR Single Vision (Hi-Tech Lenses)	0.92	198,700	183,641.76	183,641.76
750402151	Envelope Sph Airwear 65 Transition Brown	1.28	50,000	64,073.99	64,073.99
750403017	E108 Envelope 77x84+50 mm (Optra)	1.57	152,000	238,643.04	238,643.04
750403018	E109 Envelope 85x85+50 mm (optra plus)	1.99	52,000	103,255.15	103,255.15
750802009	Cardboard box small size 502x102x51mm	3.75	-	-	-
751010010	Box for SF Ref,	2.25	124,800	280,313.89	280,313.89

## ตารางที่ ก.6 (ต่อ)

Item Code	Item Description	Item cost	Onhand-Jan	Value Onhand	ScrapValue
751010244	Box 751010244 of Product SFSV 1.6 Adrance.	1.01	40,000	40,424.92	40,424.92
754500401	S641 Sticker 3M leap pad II	3648.21	6	21,889.24	21,889.24
754602401	C111 Cushion molds (size 95x190 mm)	0.80	91,500	54,754.72	
754602402	C114 Cushion molds (size 100x200 mm)	0.79	70,000	55,272.19	
840013425	Titus resin solution PE/FP=+17µgC	5.00	500	2,500.00	
840013433	Label FDA for box 751010038	0.60	10,000	6,000.00	
841203003	6 colour print wheel alpha-log PC 50073913	3000.00	6	18,000.00	
960103370	R216 Lenses rack 70 TCD	3200.00	133	425,600.00	
960103676	Lens Rack for PC diam 76	3200.00	-	-	
960103801	Flash Tray (30 lenses/tray)	5250.00	59	309,750.00	
960103870	Post-curing rack 70 (20 lenses/rack)	3900.00	240	936,000.00	
960103964	Lens rack SF1674 (Hyo diam 83 high power)	3200.00	80	256,000.00	
960103965	Lens rack SF OX 80 (Myp diam 90 and Hyo 77)	3200.00	50	160,000.00	
960104006	Raptex tray insert type B	6.49	5,000	32,471.91	
960106004	S618 Knife for demolding (handle)	446.25	41	18,296.12	
960106013	Blade for MADAG # 6974202 code 335400012	288.01	30	8,640.29	
960107002	FSV Lens Box (Nikon) FS2	2215.34	261	578,204.02	
960107007	CF Lens box CF2	2500.00	156	390,000.00	
960107076	Acid mold rack diameter 76	800.00	50	40,000.00	
960107091	Acid mold rack diameter 91	800.00	50	40,000.00	
960109001	S315 Balancell's carrier ring # 5857	2100.00	4	8,400.00	
960109002	S316 Centreur cuve 2 EME rincage # 5828	2288.89	6	13,733.33	
960109004	S621 Acid tank ref: sicap washing	155929.37	6	935,576.25	935,576.25
960500001	S139 Clothes filter	800.00	2	1,600.00	
960502007	Pipette Filter 100 p/ bag Cdde No. 322.10	16.00	700	11,200.00	
960511017	Assembly Tape ST4238-AL40 (30mmX50m)	789.94	1,030	813,642.48	813,642.48
960910007	Z030 IBG filament D0.55 MM(MIKI)	21.74	480	10,436.51	
960911002	Indexing ring dia 90 for CTEA-PPL	13703.17	9	123,328.57	123,328.57
970303003	S807 Ear cover	270.00	33	8,910.00	8,910.00
970304029	Latex Finger cot	220.00	30	6,600.00	6,600.00
970305009	Anti-static coverall with hood	670.00	22	14,740.00	14,740.00
973001002	HP02 HP Inkjet C1823D	1194.00	2	2,388.00	2,388.00
973001003	HP03 HP Inkjet 51645A	1040.00	1	1,040.00	1,040.00
973001005	HP05 HP Inkjet 51640A	1133.33	1	1,133.33	1,133.33
973001016	HP38 Lexmark ink water proof	1250.00	2	2,500.00	2,500.00
973001022	HP Ink jet C6578D	1194.00	3	3,582.00	3,582.00
973001116	HP35 HP C6614A	1100.00	1	1,100.00	1,100.00
973001122	HP46 HP Toner C4191A	2996.66	1	2,996.66	2,996.66
973001123	HP47 HP Toner C4192A	4240.00	2	8,480.00	8,480.00
973001124	HP48 HP Toner C4193A	4506.66	1	4,506.66	4,506.66
973001125	HP49 HP Toner C4194A	4220.00	1	4,220.00	4,220.00
973001126	HP50 HP C4195A drum kit	2925.00	1	2,925.00	2,925.00
973001204	C4154 A (Fuser KIT 8500)	13900.00	-	-	
973001205	HP C4196A / Transfer Kit	8466.66	1	8,466.66	8,466.66
973001210	Ribbon for DP 100 (KEM)	140.00	10	1,400.00	1,400.00
973001213	HP ink C6657A CO/DJ450	1194.00	1	1,194.00	1,194.00
973001214	HP ink C6656A BK/DJ450	715.00	1	715.00	715.00
<b>Total</b>				<b>10,303,070.57</b>	<b>6,176,022.23</b>



**ภาคผนวก ข**

**รายละเอียดการเบิกใช้งานของพัสดุโกคภัณฑ์**

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
006001014	1/2 Dia Router BIT Carbide Tipped	180	178	86	238	260	120	160	100	0	0	0	0
006001026	Diaphram ED-40101-B	85	170	100	0	220	130	140	150	200	100	50	0
006001036	Pneumatic Nipper Jew	10	6	16	0	4	2	0	2	0	0	0	0
006001053	Nipper Jew PAN AAX-724	4	2	1	0	2	4	0	0	0	0	0	0
006001173	Diaphragm EN-400249-A	100	50	140	0	200	80	200	250	150	100	50	0
040000402	K04 Crodamide powder	300	325	300	250	400	300	300	300	300	275	400	225
040000406	K69 Amberlite MB 20	600	575	500	675	1050	700	800	950	400	300	350	375
040000410	K72 Alkaline cleanse	3	3	3	2	5	2	3	4	2	3	3	2
040000411	Microgrit aluminium oxide powder	1	0	2	0	0	1	1	0	1	0	1	0
040000501	P514 Hardness Indicator solution	0	0	0	0	0	0	0	0	0	0	0	0
040000502	P515 Hardness buffer solution	0	0	0	0	0	0	0	0	0	0	0	0
040000503	P516 Hardness standard 0 MGL	0	0	0	0	0	0	0	0	0	0	0	0
040000504	P517 Hardness standard 5MGL	0	0	0	0	0	0	0	0	0	0	0	0
040000507	Degreascr type A & E M-516	48	144	216	192	204	132	216	132	12	0	0	24
040000508	Cuvette Tests For COD	5	5	6	4	12	6	6	5	4	5	5	4
040000510	Kurtoal K-310	0	0	2	1	2	1	1	1	1	1	1	3
040000511	MOLYKOTE P40	1	0	0	0	0	1	0	0	0	0	0	0
040000512	MOLYKOTE G-N PLUS	1	0	0	0	0	0	0	0	0	0	0	0
040000517	Safely cleaning degrease C S-13	0	0	0	0	0	0	0	0	0	1	2	1
040000520	NALCO - N.8322	0	0	0	0	0	0	0	0	0	0	0	0
040000526	NALCO - N.7330	0	0	0	0	0	0	0	0	0	0	0	0
040000527	NALCO - N.7346	0	0	0	0	0	0	0	0	0	0	0	0
040101403	Sulfuric acid 70%	0	0	0	400	300	660	600	0	300	0	0	0
040101404	Cleaner F-6	0	0	0	0	0	0	0	0	0	0	0	0
040101406	Sulfuric acid 98%	21160	20960	27200	27760	32320	26120	31680	24280	25960	27000	25120	11080
040101901	K77 Sulphuric Acid 1	1	1	1	2	1	1	1	2	1	1	3	0
040102902	K47 Hydrochloric acid 1 N	0	6	6	6	12	6	14	56	12	12	6	1
040102903	K54 Hydrochloric acid AR grade	0	0	0	0	0	0	0	0	0	0	0	0
040102904	K43 Hydrochloric acid ar grade	11	13	11	8	20	10	8	25	15	15	21	8
040102905	Hydrochloric acid 0.5 N	0	0	0	0	0	0	0	0	0	0	1	0
040102906	Acid Silicique	0	0	0	0	0	0	0	0	0	0	0	0
040106402	Nitrate de Potassium	25	0	0	0	0	0	0	0	0	0	0	0
040107007	Z005 Liquid soap ultrasound D4	40	35	40	40	37	38	50	30	20	30	45	10
040107401	K17B Acetic acid 50%	720	840	870	780	840	930	870	810	570	660	570	360
040107403	Membrane Clearing solution #2	0	0	0	0	0	0	0	0	0	0	0	0
040107405	Membrane cleaning solution #1	0	0	0	0	0	0	0	0	0	0	0	0
040107902	K17A Acetic acid (AR)	0	2	0	0	0	0	0	2	0	0	0	0
040109001	DECONEX OP120	0	1	1	0	2	1	0	1	1	1	1	1
040109002	DECONEX Z0NS (Bottle/Kg)	0	1	1	0	0	0	0	0	0	0	0	0
040200401	K81 Aquest (2 liters/bott)	3	6	4	7	4	9	0	3	4	1	4	1
040201001	K33 Raplex	1428	1386	1533	1166	1533	1575	1386	1491	1156	1407	1323	903
040201003	(1 Can/5 L)	195	165	150	175	180	185	195	152	158	105	145	91
040201004	Oil GS77 for Sogevacpumps	0	0	0	0	0	1	2	1	1	2	4	1
040201019	Z019A Oil silicone	6	10	2	12	10	6	8	12	14	22	8	6
040202014	K71 Biotic 24B Demp 6779115	275	400	450	375	475	375	375	405	225	300	350	150
040207402	K76 Pyridine solution (Merck)	4	2	4	0	3	0	4	1	4	0	4	0
040208001	Neodisher KS	0	0	0	0	0	0	0	0	0	0	0	0
040301402	K84 1-Butanol GR 2.5 liter	41	20	64	24	36	48	64	24	44	28	44	4
040303401	K24 Methanol	1290	625	475	895	1080	620	550	1195	1110	612	1327	583
040303902	K44 Methanol AR grade	270	156	176	210	212	152	260	198	328	280	264	164
040303903	Ethanol absolute	56	64	76	108	92	144	124	88	184	248	260	268
040304401	K07 Isopropanol (IPA)	8880	8182	6323	7349	9709	8615	10749	11426	10680	11075	12173	7195
040304402	K50 Isopropyl alcohol	315.2	355	315	276	315.2	273	200	236.4	236	276	315	158
040304404	Nicca Sunclean AL-500	0	0	0	0	0	0	0	0	0	0	0	0
040304901	K55 Isopropanol AR grade	24	48	40	32	48	36	44	32	32	28	24	16
040304902	NEONOL 20	0	0	0	0	0	0	0	0	0	0	0	0
040305401	K05 Ethylene glycol	675	8	225	0	450	0	0	0	0	225	0	225
040401401	K12 Sodium chloride	4000	4000	3000	4000	4000	4000	5000	7000	4000	4500	4500	5000
040401402	K34 Sodium chloride 99%	100	100	100	80	120	80	100	120	120	120	80	120
040401500	Iodine solution 0.1N	0	0	0	0	0	1	0	0	0	0	0	0
040405401	KB6 Sodium sulphate	200	200	250	200	200	200	250	200	200	200	100	100
040409006	Alumina zirconia	2200	1800	1700	1700	1150	750	2250	2400	2500	2150	2300	2100
040417001	K10 Silvo	262	262	240	264	216	216	166	240	216	192	180	48
040417003	K75 Dispensing agent DDBS	1	2	1	0	4	3	1	1	4	2	0	5
040417005	Frasolen	0	0	0	0	0	0	0	0	0	0	0	0
040418401	K79 Potassium iodide	0	2	0	1	1	0	1	0	0	2	0	0
040419901	K59 Potassium permanganate	0	0	0	5	0	0	0	0	0	5	0	0
040420001	0.1 M Silver Nitrate (Ag CNO3)	1	0	0	0	1	0	0	0	0	0	0	0
040421901	K53 Sodium thiosulfate 0.1N	11	16	6	11	15	10	12	10	11	15	11	5
040421902	K62 Sodium thiosulfate 0.01 N.	0	0	0	0	0	0	0	0	0	0	0	0
040423401	K03 Sodium hydroxide 50%	0	0	1800	0	0	3600	0	2400	0	0	0	0
040423403	with Certificate	0	840	0	0	300	0	330	630	0	0	150	270
040423405	Potassium Hydroxide 48%	0	2	601	0	622	384	240	388	486	420	172	560
040423406	Sodium Nitrate	250	0	0	0	0	0	0	0	0	0	0	0
040423901	K58 Sodium hydroxide	3	7	8	0	0	5	3	2	5	5	0	0

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
040425001	Colloidal silica MA-ST-HV (K83)	525	600	695	842	1105	1095	1500	1490	1353	1105	1010	358
040425005	Colloidal Silica 2034 DI	4	3	4	6	2	4	2	3	7	4	5	1
040425006	Colloidal Silica Ludox CL-P	3.8	3.8	3.4	5.5	1.9	5.7	5.7	3.8	5.4	6.3	14.6	10.4
040430401	K11 Sodium carbonate	0	0	0	0	0	0	0	0	0	0	0	0
040431402	K73 Calcium stearate	1	1	1	0	1	1	2	1	1	1	1	1
040500401	KB2 Hydrogen peroxide 50%	570	820	720	840	210	660	600	720	600	520	740	360
040500406	K60 Hydranol composite	0	0	0	2	2	2	0	3	6	0	0	2
040500407	K61 Hydranol solvent 34800	2	4	2	2	4	2	3	5	2	6	4	4
040500408	S502 Robsil spray	8	16	10	7	12	15	14	9	10	17	8	4
040504401	K09 Methylene chloride	250	0	0	0	0	0	0	0	0	0	0	0
040506403	K13 Solkane 141 B	3256	3192	2576	2454	3773	2585	2892	3055	3689	3055	3290	1552
040506035	Cleaner RM	0	0	0	0	1	0	1	0	1	0	1	1
040506037	Diacetone alcohol	0	0	0	0	0	0	0	0	0	0	0	30
040506401	K01 Acetone	5323	5739	5846	5171	7180	6394	7771	6870	6609	6417	7144	3974
040506902	K08 Acetone AR grade	28	36	28	28	32	24	28	32	24	24	28	28
040507002	K67 Citrileen (MC 2 chemic)	375	375	525	325	475	400	575	525	575	725	650	375
040507401	K70 M-Pyrol	5634.9	6678.4	6678.4	6469.7	8348	7095.8	7095.8	7095.8	6887.1	8563.7	7098.8	5217.5
040508003	N-Cool No.56	90	108	108	72	108	108	108	108	90	72	90	54
040508004	Plastic dip	0	1	1	0	1	1	0	0	0	0	0	1
040600001	Z006 Mixed resin nuclear	50	0	200	50	100	100	250	100	50	250	150	300
040600002	Mixed Bed Resin "Aqua-medi"	0	0	0	0	0	0	0	0	0	0	0	0
040605002	Loctite 401	2	0	0	0	0	0	0	0	0	0	0	0
040606001	Araldite AV119	0	1	0	0	0	0	1	0	0	0	1	0
040701001	K74 Pink dye teratop 36	1	1	1	1	1	1	1	1	1	1	2	2
040701004	K56 Black dye (BP)	4	2	4	0	5	4	2	6	7	6	4	6
040701007	Dye, Red Teratop NFR	0	0	0	0	0	0	0	1	0	1	0	1
040701009	Red Dye Mitsui Miketon 2BSF	0	0	0	0	0.5	0	1	0	0	1	0	1
040702001	Dye Yellow Teratop NFG	0	0	0	0	0	0	0	0	0	0	0	0
040703005	Dye Blue Teratop NFB	0	0	0	0	0	0	0	1	0	1	0	0
040704001	SOF-MR8-NBR	1.5	0	0	1.5	0	0	0	0	0	2.5	0	0
040704002	N7	0	0	0	18	0	0	0	0	0	0	0	0
040801078	Cement jaune	0	0	0	0	1	0	0	0	0	1	0	0
040805009	S913 Cleaner PRU6	0	0	5	5	0	5	5	0	5	5	0	5
040805010	S914 Pad cleaner	1	1	0	0	0	2	0	1	0	0	0	1
040809007	S920 Yellow ink YNT	0	0	0	1	0	1	1	1	2	1	0	0
040809014	Arcotec Ink 30 mN / m	0	0	0	0	0	0	0	0	27	17	12	0
040900402	Z032 Neovac oil MR-250	2	0	2	0	0	0	4	0	0	0	2	1
040900403	Z033 Neo vac oil EP 83 (MRK)	0	0	1	0	0	0	1	0	0	0	1	0
040901006	SYNTHLO oil 62E	124	60	105	110	105	70	105	140	105	175	95	140
040901009	EN BETRONOL EP214	25	25	125	50	25	27	25	0	0	0	25	25
040901402	S238 Shell oil (tonne T66)	4	2	1	0	4	1	6	1	1	1	3	3
040901403	Oil shell corena P100	0	0	0	1	0	0	0	0	0	0	0	1
040901404	Oils for PC injection MAC	4	0	0	0	0	0	0	2	10	4	0	0
040901405	Diesel oil	300	0	1250	450	788	400	700	500	450	400	950	800
040901406	Parathem NF oil	0	2	3	0	2	8	0	0	0	1	0	5
040901500	Castrol no. 200	18	0	0	0	0	0	0	0	0	0	0	0
040903402	S649 Vacuum pump oil	0	2	2	1	0	2	0	2	2	2	5	0
040903403	Z034 Mechanic fluid Z99-4393-1	0	0	0	0	0	0	0	0	0	0	0	0
040903404	Z035 Lion-S oil V09-1101-3	15	0	15	0	0	0	0	0	0	0	0	0
040903405	KY-130 (3%)	4	5	6	3	6	2	9	10	14	3	5	5
040904002	S930 Anti-mousse 910 X	28	29	43	29	37	29	21	32	34	31	30	29
040904015	Vaseline oil MAGNA AT 15	0	0	0	0	0	0	0	0	0	0	0	0
040905008	Grease MOLYCOTE	0	0	0	0	0	0	0	0	0	0	0	0
040905401	Hydranol Standard (34813)	0	0	0	0	1	0	0	0	0	0	0	0
041001001	Oxygen research grade 99.999%	3	7	4	1	1	7	1	5	4	0	7	0
041002001	Argon LHP 99.999%	4	4	5	0	1	1	2	3	0	0	1	1
041003401	S927 Helium gas	1	0	1	0	0	1	0	0	0	0	1	1
041010002	Detergent Lancer L.L.L.	0	0	0	0	0	0	0	0	0	0	0	0
041010014	Neutralisant Lancer N.L.L.	0	0	0	0	0	10	0	0	0	0	0	0
041500003	K63 Baystone additive OL31	1	0	1	0	0	1	1	1	0	1	3	1
041500014	EFKA 3034 Surfactant	0	0	0	0	0	0	0	0	0	0	0	0
042000001	ME GLYMO KBE-402	29	4	51	36	49	97	100	70	61	77	98	0
042000002	K37 Dynasylan glymo	183	194	225	370	343	328	484	446	463	403	325	221
042000006	Coatostil 77 with COA	0	0	0	0	0	0	0	0	0	0	0.3	0
042000007	Coatostil 7604 with COA	0	0	0	0	0	0	0	0	0	0	0.08	0
042000008	K82 Siquest A-1100	144	108	126	108	180	162	36	216	162	126	144	72
042100002	K42 Methyl ethyl ketone (MEK)	6	0	4	0	6	0	2	0	6	0	12	4
042100006	Aluminum Acetylacetonate 99%	10	15	30	10	35	25	45	25	35	30	25	16
042100008	K85 Dowanol PM	132.2	72	104	236	69	105	158	150	98	68	136	9
042100010	Airtimony pentoxide suncolloid	0	0	0	0	0	0	0	0	0	0	0	124
042100401	P005 Mold w/z	84	84	96	72	132	48	108	96	84	48	24	24
042100402	K86 DmdesDiethoxyDimethylsilane	20	60	60	60	140	100	150	158	179	139	80	148
042100403	Methyl Ethyl Ketone	0	1	2	2	2	4	3	3	4	4	4	0
042200001	Wilcobond 234 B With COA	0	0	0	0	0	0	0	0	120	0	80	0
042200403	S609 Glue neoprene pattax	0	0	2	1	1	0	0	1	1	1	1	2

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
042300001	Colloidal Zirconia Solution	3	0	0	32	0	0	0	0	0	22	11	15.4
042300100	MR Inner Releaser	17	34	17	34	17	17	34	0	34	0	34	0
042300101	Stann BDC	4	2	4	5	6	10	9	4	8	9	9	0
080901117	S901 Metal alloy 117	10	5	15	0	20	20	10	20	0	20	25	10
100200004	Z001 Shield, sght glass, 122MM	450	700	600	575	675	700	625	625	475	500	450	350
100200401	Z028 Glass monitor (MRK)	3200	5600	1600	2400	3200	3200	4000	3200	3200	4000	4000	3200
100200402	Z039 Window protection glass	50	50	0	0	0	50	100	0	0	50	0	50
100200403	Z045 Halogen cover (pyrex)	50	0	50	0	50	50	50	100	0	50	50	50
121110010	Film 3M 1641 (12 rolls/box)	7	9	8	15	10	9	8	11	8	8	8	7
121110012	Film electrostatic (1650 pcs/roll)	0	6	0	6	30	64	43	12	18	18	36	12
121110016	Electrostatic film (Set of 6 rolls)	402	414	408	420	468	480	564	384	348	282	336	186
121501001	Gasket material WSB055B-1	1200	2600	2400	3300	4800	7100	5980	5600	6000	6200	4000	3280
121507003	Gasket Material LOR 1801 C Gray	1800	2400	3600	1800	3000	3000	3000	2400	2400	2400	2400	3000
210424002	Z004A Test lens orna 24 MM.	100	0	100	0	0	0	0	0	0	0	0	100
210424003	Z004B Tested lens orna 24 MM.	0	0	0	0	0	0	0	0	0	0	0	0
280108004	Wheel CMV D 181 BZ 5314 C 75	0	0	0	0	1	0	0	0	0	0	2	0
280108005	Wheel D213 C75 Diam 54x60	0	0	0	0	0	0	0	0	0	3	3	0
280801004	Wheel LOH 99BZ 04 94.5.12.66	0	0	0	0	0	0	0	0	0	0	0	0
281600002	Notching wheel EP 5mm plan	0	0	0	0	0	0	0	0	0	0	0	0
282003011	Pellet 10x3 240/300 c70	0	0	0	0	0	0	0	0	0	0	0	0
282004003	Pellet 10x3 D16 B FS499 C35	150	0	50	50	50	0	400	0	0	0	200	250
282009001	Pellons Delamare DS03041	0	0	0	500	0	1	0	0	999	0	500	3000
282009002	Pellons DS030401 diam 80-4E	0	0	500	0	0	0	0	500	0	500	1500	2000
282009003	Pellons DS030401 diam 90-4E	0	0	0	0	0	0	0	500	0	500	1000	2500
282009004	Pellons DS030401 100-4E	0	0	0	0	500	0	500	500	500	0	1500	3000
289000001	Wheel LOH 99BZ 04.100.5.12.66	0	0	0	0	0	0	0	1	0	0	1	0
289900002	Notching wheel e/p 0.5 mm.	0	0	0	0	0	0	0	0	0	0	0	0
290101071	Smoothing grid WG dia 71	0	200	200	0	600	300	100	100	400	700	800	1000
290101080	Smoothing grid WG dia 80	0	0	300	200	100	0	500	200	300	300	2743	0
290101090	Smoothing grid WG dia 90	0	0	100	0	100	0	100	200	0	500	1800	0
290101102	Smoothing grid WG dia 102	0	200	0	0	0	0	100	0	0	400	0	0
290103071	Smoothing grid silled diam 71	900	600	1000	600	100	300	700	800	1400	2200	3400	1200
290103090	Smoothing grid silled diam 90	0	200	200	0	300	0	0	400	500	1000	2600	2000
290103102	Smoothing grid silled diam 102	0	0	100	20	200	0	100	0	0	0	1200	0
290202187	Fiel diam 87	20	0	0	0	0	0	0	0	0	0	0	0
290303090	S906 Hepta dia.90-100	39	24	54	30	57	45	42	51	36	36	42	30
290500401	P012 Pad 5 solid round	0	0	50	100	210	0	0	0	0	0	800	0
290500403	P014 Pad 3, PAWFA 3#1110	600	0	0	400	200	0	0	0	0	0	0	400
290501005	PAD DIAM 25 GAM 200	0	0	0	0	0	0	0	0	0	0	0	0
291202099	Polishing wheel J-HAXO	0	0	0	0	0	0	0	0	0	0	0	0
291202102	Fell diam 102	20	0	0	0	0	0	0	0	0	0	0	0
291202171	Fell diam 71 (high curve)	20	0	0	0	0	0	0	0	0	0	0	0
291202177	Fell diam 77	20	0	0	0	0	0	0	0	0	0	0	0
291202183	Fell diam 83	0	0	0	0	0	0	0	0	0	0	0	0
292026203	Polyurethane EP 2.03 LP26	0	0	0	0	0	1	0	0	1	0	2	0
292402006	S604 Sovra Pad dia 170	15	20	40	80	0	20	5	41	40	25	40	50
310000401	P006 Polishing paste-semChrome	48	20	24	20	27	0	25	25	0	24	0	0
310000404	P010 Microgrit WCA type 40T	0	0	0	0	0	0	0	0	0	0	0	0
310000405	P011 Alumina polishing compound	3	4	0	3	0	3	3	0	2	0	2	0
310102150	Corindon brun sb 15 GR150	0	0	0	0	50	0	0	50	0	0	50	0
310102175	Aloxite KC 175 AG 508	25	25	25	25	50	0	50	0	50	50	125	25
310501650	S611 Cerox 1650	80	80	100	80	80	80	80	120	120	200	260	240
310503401	P016 Rhodite 906 (cerium oxide)	1	1	1	1	2	1	1	2	1	1	1	0
311001002	Orna polish-drum 1GL	0	0	0	0	68	60	0	36	8	0	7	0
311001003	S908 TRS 1933 polishing liquid	0	4	0	0	0	0	0	4	0	0	0	0
311001005	Polishing liquid Orna 90	124	96	120	124	80	96	112	136	140	156	120	169
313001085	PAD Ref:313001085 DABV	24	24	30	36	30	48	30	18	48	36	30	24
313501085	DASV DIAM 85 7E	24	6	18	6	6	0	0	0	0	0	0	6
320000003	Magnesium fluoride (MgF2)	5	10	12	11	2	7	17	6	0	0	9	7
320102015	Z011 EBG cathode 14	190	80	360	280	130	210	230	280	340	160	150	90
320102018	Filament EBG for Multicoat M/C	0	0	0	0	0	0	0	0	0	0	0	0
320201001	Z021 Cruc. Taritel. striated base	420	760	560	820	500	460	920	690	600	780	840	480
320400002	Vectron 6MHz Crystal Quartz	0	140	120	30	20	265	490	365	240	40	80	0
320404005	Z016C Quartz crystal Inficon	0	0	20	0	0	0	0	0	40	40	70	30
320405006	Z016A Quartz PBG xtral	6300	5800	5500	7400	6100	2800	2000	2200	2800	4200	4500	3100
320800022	Z022 Zirconium monoxide	51000	58000	54000	58500	61000	54500	70500	56000	50000	43500	45500	30500
320800024	Z023 Optron SiO2 1-2 mm	186	200	189	178	238	184	241	179	185	156	163	123
320800025	Z024 Of 110 optron top-coat	21600	26600	21800	31900	22200	20400	21800	22100	18000	21300	18700	13600
320800026	Crzal (linear) mask	0	0	0	0	0	0	0	0	0	100	100	0
320800027	Titanium Oxide S.	0	0	0	0	0	0	0	0	0	0	1	1
320800028	Substance L5	0	0	0	0	0	0	0	0	0	0	2	1
320800056	OPTOOL DSX (100g/bottle)	0	0	0	0	0	0	0	0	0	0	0	0
320800057	DSX (20g/can)	230	239	264	240	260	310	350	225	220	180	180	130
320800063	MgO	38	43	47	58	27	34	84	45	36	15	41	27
320800069	ITO 1-2 mm.	0	0	0	0	0	0	0	0	1	0	3	9

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
32090401	Z027 Optron ZR 02 (size 18x12)	2400	4200	3000	1800	3700	4300	3200	3500	3200	4000	3500	3800
320901001	Empty copper cup for topcoat	0	0	0	0	0	500	9700	3200	2500	2600	8600	5800
332000015	Fog ID Mask Mylar	0	0	0	0	0	0	0	0	100	0	0	0
332000016	Fog ID Mask Kapton	100	0	0	100	0	0	0	0	100	0	0	0
332000019	Fog ID Brush (Modified # 1161)	0	0	0	0	0	0	0	0	0	0	0	0
335400013	Scraper for Stamping I/MC	0	0	0	0	0	0	0	0	0	0	0	0
389900002	S645 Aluminum cup (for HC)	0	0	1	1	1	4	2	0	0	1	0	0
389900012	Z049 Spatula stainless	3	0	0	0	2	2	2	0	0	0	0	0
389900051	Cones Dosage 200mm Long	1	0	0	0	0	1	0	0	0	0	0	0
389900402	S648 Spatula epoxy	0	10	0	0	0	0	4	0	0	4	0	0
389900403	Alloy Dis-assembly spatula	21	26	36	0	30	14	38	16	34	10	27	18
440402002	Bath meter (dencimeter)	1	0	0	0	0	0	0	0	0	0	0	0
480212001	Spel bearing	0	0	0	0	0	0	0	5	10	0	20	0
480212003	Poitte carbure boule	0	0	0	0	0	0	0	0	0	0	0	0
580707001	Wetstones for B1001 wheel	0	0	0	0	0	0	0	0	0	0	0	0
580807001	Crapaud Knife for remove pad	0	0	0	0	0	0	0	0	0	0	0	0
590100001	S325 Cover for NMP trolley	2	5	4	2	3	0	0	3	0	1	0	2
590101004	Tissus 20x20 Lycra	11	16	14	17	14	2	12	12	12	4	4	0
590102401	P505 Cotton wool	0	0	30	50	45	0	60	25	0	30	51	0
590105001	S504 Cleaning tissue for Coating	162	156	164	188	192	164	134	134	116	115	122	83
590106001	Cemol cloth	2	10	8	0	2	3	5	6	11	5	5	1
590106002	S506 Suede white cotton	6	4	6	6	7	2	8	9	4	2	3	3
590106401	S505 Cleaning suede cloth	0	2	0	1	0	0	0	1	0	2	0	0
590200076	S460 Active coal filter	0	0	0	0	0	0	0	0	0	0	0	0
590200401	S126 Filter refill 3M	21	26	17	25	21	23	29	20	31	21	50	15
590200402	S127 Filter refill 3M	1	0	2	1	0	5	8	0	4	1	0	0
590201006	S416 Prefilter TL20	72	60	84	123	62	62	86	52	120	49	66	16
590201007	S415 Absolute filter TL 157	1	1	2	8	6	0	0	1	13	13	0	0
590201008	Pre-filter Aerofoil A-Pleat 25-35%	0	2	0	2	0	0	2	0	0	0	0	2
590201009	Pre-filter Aerofoil A-Pleat 25-30%	0	1	12	0	0	0	0	0	0	0	0	0
590201010	Absolute filter 1.2 micron	1	2	0	0	0	0	0	0	0	0	0	0
590201401	S406 Cuno filter WYND DPPPL-3	4	0	4	0	0	0	0	0	0	0	0	28
590201402	S417 FILTRAIR CC-500	12	63	50	2	78	11	68	17	60	16	63	30
590201403	S418 Standard Netclean	2	3	6	0	0	0	4	0	0	0	0	2
590201404	S419 Standard netclean	0	1	0	0	0	0	0	0	0	0	0	0
590201406	S422 CUNO MPF	20	4	26	8	26	61	24	6	81	28	43	27
590201407	S423 CUNO MPF	0	1	0	0	0	0	0	0	0	0	0	0
590201409	S427 Cuno AP117 SL	8	3	7	2	8	9	13	4	13	10	8	8
590201410	S429 Filter microgon	38	61	28	22	25	54	67	36	47	24	8	67
590201412	S440 CUNO MICRO WYND	0	2	2	0	0	0	2	0	0	0	0	0
590201414	S443 Filter utilpor GF plus	0	0	0	0	1	0	0	0	0	4	0	0
590201415	S444 Filter utilpor GL plus 10	95	68	85	66	92	68	56	37	29	44	42	32
590201416	S445 Filter carbon filter 10	0	0	0	0	0	0	0	0	0	2	0	0
590201419	S449 CUNO MICRO WYND	29	31	36	22	25	30	23	34	49	35	65	49
590201420	S451 CUNO MICRO WYND	42	49	69	40	35	51	32	51	48	32	47	64
590201422	S455 Utilpor GF+Filter	5	0	8	1	1	4	2	10	7	8	4	0
590201424	S457 Filter FR 02666	6	0	6	2	0	3	2	0	7	2	2	0
590201426	S463 Filter 20 10 UM	0	4	4	0	2	0	0	6	0	6	2	2
590201427	S466 Filter 20 1PM	4	0	0	4	6	4	0	0	2	2	9	3
590201430	Filter 1 microm	18	14	24	12	18	12	12	15	18	15	12	12
590201431	Filter for Flowbox CC-500	0	3	0	0	1	0	0	0	0	0	0	0
590202401	S401 Sartopure filter 1.2 P/N	26	15	15	20	24	30	15	5	19	15	16	10
590202402	S403 Sartopure	11	12	14	9	2	15	18	13	22	16	21	1
590202403	S430 Filter bag	12	5	9	0	12	10	0	6	10	12	8	4
590203401	S402 Pre filter element 10 micron	10	0	0	0	6	0	17	0	6	0	1	0
590203402	S407 Sartopure PP2	17	12	25	13	30	24	38	16	41	34	31	14
590203403	S412 Sartopure PP2	15	16	32	27	35	25	30	23	21	23	42	20
590203405	S414 CUNO FILTER CTG	25	62	31	45	34	87	84	12	63	54	62	30
590203408	S433 Filter 10 micron	11	21	11	20	12	20	29	10	39	16	10	10
590203411	S439 Sartopure PP2	8	10	12	4	4	2	10	8	4	8	0	0
590203413	Filter 30 Inch Size 1 m/c	0	0	0	0	0	0	0	0	0	0	0	0
590203414	Sartopure PP21 Capsule 5um.	2	2	2	2	2	15	0	0	4	5	10	0
590203415	PUY2UY 100J ULTRIPLEAT Filter	6	0	6	2	0	2	2	4	2	4	2	5
590204025	S461 Polyprop filter (RM1F050)	1	1	0	0	0	0	0	5	7	0	0	0
590204026	RO Membrane Cmodel	0	2	2	1	0	3	0	0	0	0	0	0
590204028	Filter XSCH-100 1FOXO	0	0	0	0	0	0	0	0	0	0	0	0
590204030	Filter XSCH 50XFO	34	28	10	10	44	23	40	24	16	26	24	16
590204031	MCY1001NAEH13 Utilpor N66	1	3	2	2	0	5	3	0	4	1	7	3
590204032	RM1F400H21 Profile Filter	0	0	0	0	0	0	0	0	2	0	0	0
590204033	Filter Type XSID14MD47TO	160	220	120	140	460	300	340	200	300	220	200	300
590204034	Dust filter size 150x75x750 mm	6	0	6	24	0	0	0	0	6	0	0	0
590204036	Pauli Capsule Filter KA2.J012P1	150	186	228	276	360	216	348	336	324	230	267	216
590205001	Cartridge filter 50 micron 20	17	4	0	2	0	0	0	0	0	0	5	0
590205002	Cartridge filter 10 micron 20	10	17	12	36	7	55	7	19	20	14	18	19
590205003	Cartridge filter 5 micron 20	4	2	3	20	0	0	0	15	0	0	15	0

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
590205004	Cartridge filter 100 micron 10	45	86	90	60	60	90	120	90	90	120	90	90
590205005	Cartridge filter 50 micron 10	50	41	71	42	42	72	45	66	40	65	59	33
590205006	Cartridge filter 1 micron 20	5	13	13	29	1	23	2	0	2	14	2	20
590205007	Cartridge filter 20 micron 20	4	2	4	5	0	0	0	15	0	0	0	0
590205008	Cartridge filter 20 micron	22	19	26	23	32	21	29	12	21	25	10	9
590205009	Cartridge filter 5 micron	2	4	8	9	6	9	8	8	2	8	8	11
590206010	Cartridge filter 10 micron	16	30	20	22	24	23	26	20	16	25	21	16
590207001	Filter of Schaublin	0	0	0	0	0	0	0	0	0	0	0	0
590301001	Pre-Filter Moisture Resistant	50	40	8	2	50	0	72	0	72	56	2	2
590301002	Pre-Filter ExtrudedAluminumFrame	20	0	20	32	20	0	20	0	51	44	0	81
590301003	Pre-Filter Moisture Resistant	0	0	0	0	0	0	0	0	0	0	0	0
590301004	Medium Filter V-shape 592x592	0	0	0	0	60	60	0	0	39	42	0	4
590301005	Medium Filter V-shape 592x288	0	0	0	0	40	32	0	0	14	22	0	6
750401002	E127 Envelope 85x93+50mm	0	0	0	0	0	0	0	0	0	0	0	0
750401009	Plain White Bag with Bar Code	117500	143500	122000	106500	98500	102000	133500	152500	160500	128000	120000	101800
750401073	E215 Envelope 85x93+50	278200	306600	361000	291000	307400	272200	337400	278200	331700	232000	206400	756600
750401076	E212 Envelope 85x93+50	1277000	1237100	1236000	1170000	1462800	1248000	1336800	1123200	1114800	1003200	789600	659200
750401077	Envelopes BBGR Size 83x93+50	13000	30000	5000	23000	17500	88500	37000	39500	24000	16000	23500	17500
750401078	Envelope for Nikon Blue bag	0	5000	0	0	0	0	0	0	0	0	0	0
750401088	Envelope 85x93+50 mm EOA	5000	9000	10000	0	8000	30000	32000	35000	26000	21000	29000	0
750401099	Envelope code for 1.67 FSV	0	0	0	0	0	0	0	0	0	0	0	0
750401102	Envelope 85x93+50mm Nikon	115000	101600	122000	153000	208500	177000	218400	63600	90000	0	0	0
750401103	Envelope for GLC	53000	98500	76000	13500	21500	22500	26500	13000	13500	56500	27000	0
750401104	Envelope for SAR (purple)	111600	129000	193200	241200	136800	51600	12000	38400	43200	72000	28800	42000
750401105	Envelope Profile size 85x93+50	53000	123000	135500	211700	93600	24000	19200	68400	36000	28800	20400	4800
750401106	Envelope FSV1.67 Mithril/Mithril Cz.	6500	3000	5500	0	0	0	0	0	0	0	0	0
750401111	Polycarbonate PDQ	266500	127000	19000	42500	90500	115500	163000	30500	69500	55000	18500	12500
750401114	Envelope UV NT1 RFP	2000	20000	8000	19000	13000	20000	25000	25000	28000	23000	29000	0
750401115	White envelop+FDA Test	20000	25000	6500	29500	22000	31000	55400	84000	69600	19200	4900	10800
750401121	Envelope Natco D70 FSV 1.5UNC	281500	43100	10800	43200	62100	73000	27000	78500	203100	89400	109000	93900
750401122	Envelope Natco D65 FSV 1.5UNC	70200	6100	10800	0	43200	129600	62100	18900	96400	21600	16200	21400
750401143	Envelope AS TRV GREY EZ #70	0	0	0	0	0	0	0	0	0	0	4500	0
750401144	Envelope SPH TRV Grey EZ # 70	0	0	0	0	0	0	0	0	0	0	3500	0
750401145	Envelope Sph Airwear 70	0	0	0	0	0	0	0	0	0	0	0	0
750401150	Envelope for Nikon Lite 2 AS	40000	7500	20000	29000	36500	34000	20500	62500	56000	32500	31000	39500
750401151	Envelope for Nikon Lite 2 SP	82500	30500	52000	20000	43000	20500	50000	81500	18500	27500	36000	2500
750401161	SHORE UNC D60	0	0	7000	10000	0	0	5000	0	10000	0	0	5000
750401162	SHORE TRIO Envelope	30000	0	0	0	0	0	0	0	5000	0	0	0
750401163	SHORE PDQ Envelope	37000	32500	5500	0	12500	0	0	16000	16000	85000	46600	0
750401164	Sentinel TRIO Envelope	10800	10800	13500	54600	0	0	18900	16200	5400	0	16200	0
750401165	Sentinel PDQ Envelope	94900	102900	39600	129600	40600	56700	73000	383200	229100	13500	18900	38900
750401170	VIDA SP ECC	31000	0	0	0	0	5000	14500	28000	39500	4000	25000	16500
750401177	SHORE UNC D70	5400	0	0	0	0	0	13500	48600	0	46300	27600	13500
750401178	Envelope for Nassau 70 Kromos	0	0	0	0	2700	0	0	10800	0	5000	5400	0
750401181	Envelope for Nassau 65 Kromos	10000	0	31000	0	0	0	0	3000	0	0	0	0
750401200	Envelope Profile Reflection	0	0	0	1000	15000	0	0	0	5000	0	0	5000
750401202	Envelope Gentex Polycarbonate	0	0	0	0	10000	10000	0	10000	0	0	5500	11000
750401204	SPH TAN RFPNEZ MC3 DSX	0	0	0	0	0	0	0	0	0	1000	0	0
750402001	Vision Art (BBGR ISBR)	39300	124500	90000	94500	67000	76500	5000	70000	48000	60000	31000	11000
750402026	E114 Envelope 85x85+50	1124000	1297000	1289000	1124000	1263000	1259300	1113800	1052200	1309800	1595900	2053500	368100
750402100	E214 Envelope 85x85+50	1175000	1267000	1113000	1036000	1758900	1324700	1439400	1443200	1307600	1343000	1442400	1070700
750402103	Envelope 85x85+50mm	175200	157200	135600	158400	165600	88600	320400	190800	177600	151200	151200	128400
750402104	E129A Envelope 85x85+50 mm	292000	358500	284000	285500	415200	361200	242000	483400	431300	229900	267500	193800
750402107	Nikon Blue bag (size 85x85)	0	0	0	0	5000	0	0	0	0	0	0	0
750402112	E131 Envelope 85x85+50(PRIMA)	4000	5000	16000	5000	4000	10000	8000	0	0	10000	5000	0
750402121	Envelope 85x85+50 LTL Green	351000	368200	372000	326000	382000	341000	717000	169000	77000	43000	35000	10000
750402122	Envelope 85x85+50 LTL Red	127000	246000	262000	200000	295000	180700	197000	67000	3000	15000	4000	6000
750402127	Envelope PRATS size 85x85+50	44000	15000	50000	20000	50000	16000	27000	54000	70000	99000	59000	15000
750402134	Envelope size 85x85+50 FSV1.5	13000	54000	24000	78000	60000	21000	21000	30000	41000	30000	95000	10000
750402137	Envelopes CR Single Vision	0	0	0	0	0	0	0	0	0	0	0	0
750402149	Envelope AS TRV GREY E2	0	0	0	0	0	0	0	0	0	0	5000	7000
750402150	Envelope SPH TRV GREY EZ	0	0	0	0	0	0	0	0	0	0	1000	11500
750402151	Envelope Sph Airwear 65	0	0	0	0	0	0	0	0	0	0	0	0
750402152	ORLITE 1.5 bag with Barcode.	14000	45000	28000	14000	10000	4000	25000	0	5000	5000	5000	130000
750402153	Envelope R+H	53000	68000	30000	15000	45000	60000	43000	20000	26000	16000	47000	35000
750402166	Envelope 85x85 FOR AS D65	0	13000	20000	14000	2000	8000	34000	29000	11000	13000	20000	0
750403017	E108 Envelope 77x84+50 mm	0	0	0	0	0	0	0	0	0	0	0	0
750403018	E109 Envelope 85x85+50 mm	0	0	0	0	0	0	0	0	0	0	0	0
750801001	B204 Cardboard box for mold	200	200	500	300	200	800	200	500	700	300	0	500
750801004	B208 Cardboard box long	18950	15700	20100	15350	21700	14700	22950	22600	16900	15400	13000	14950
750801005	Card board box long	250	400	500	200	450	250	600	600	900	1300	700	800
750801006	Cardboard box	43500	41050	44000	38350	58650	44350	43500	53700	31700	41900	44600	40400
750801008	Cardboard box long	0	0	0	0	0	0	0	0	122	0	0	0
750802001	B300 Export carton	600	450	50	0	0	210	150	100	200	0	300	200
750802002	B302 Export carton big size	20	10	20	0	25	11	10	0	0	10	22	12

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
750902003	B303 Export carton long size	6660	5940	6160	5000	6180	4530	4250	4550	3900	3700	3200	4660
750802005	B305 Export carton small size	1900	2240	2400	2700	3560	2350	2670	1850	1550	2100	2100	2250
750902006	Box carton B 306	0	0	0	0	0	0	0	0	0	0	0	1540
750902007	Export carton 48x24x155 mm.	0	200	75	180	205	50	200	200	110	200	240	475
750902008	Export carton long	0	0	0	0	0	0	0	0	5	0	0	0
750902009	Cardboard box small size 502	1650	0	0	0	0	0	0	0	0	0	0	0
750602010	Cardboard box small size 488	1145	2000	2500	2500	3000	1450	2000	3500	9950	4000	6000	2100
750902012	Cardboard corner guards	0	0	0	0	0	0	0	0	0	0	300	100
750802013	Cardboard top sheet	0	0	0	0	0	0	100	100	100	200	250	100
751010010	Box for SF Ref.	3200	4800	0	0	0	0	0	0	0	0	0	0
751010011	Box for SF Ref.	0	0	6400	8000	38400	65600	65600	91200	80000	38400	67200	15860
751010012	Box for SF Ref.	31335	28170	29730	25040	29735	17215	7825	0	0	1137	10955	6260
751010030	Box for Panamic	9390	4695	12520	18780	29735	37560	4695	3130	9390	17055	23475	7825
751010044	Box for SFSV 1.67 SPH I1H	15650	25040	15650	10955	10955	21910	32705	35675	12520	13030	18295	0
751010056	Box for SF PAL 1.67 Ovalion	6300	20160	42840	35280	16120	17945	73300	51550	9495	3130	22050	12565
751010059	Box for SFPAL 1.67 VARLUX	154935	34430	31300	23475	20345	9390	4695	3130	28075	3130	61380	4695
751010062	Varlux Ellipse	76770	63000	72005	32145	66340	42255	29735	43795	9390	1565	12520	1565
751010180	Box anti fatigue	23475	28700	28170	19500	0	1565	12520	3130	1565	3130	6260	3130
751010181	Box for Varlux Physio	40690	59470	26605	23475	32865	15650	54775	51645	21910	29735	32865	6260
751010244	Box of Product SFSV 1.6	0	0	0	0	0	0	0	0	0	0	0	0
751401005	Cup for SF Ref, 97 10 005	2380	2380	3570	6950	9895	5950	10710	21420	8330	8330	9520	0
751401018	Cup for SF Ref, 97 10 066	23870	17360	16660	13720	19530	34720	26040	36890	30380	15190	28210	0
751401019	9710067 dia. 67	10080	11550	7980	9450	14700	12600	19110	13230	9520	24290	48510	0
751401025	Cup for SF Ref, 97 10 064	23520	21560	21560	21560	23520	13230	3920	9900	3920	5880	11760	3920
751401046	Cup for SF Ref, R97 10 031	0	0	2590	5180	23310	23310	38850	51800	28490	20720	25900	0
751401051	Cup for SF Ref, 97 10 007	99960	103320	108150	77910	94080	101430	95550	69090	66150	45570	41160	41160
751401063	Cup Ref. R9710058	164430	153090	144690	98280	120960	115290	132300	86940	64260	56700	80220	58590
751401070	Cup for SF Ref, 97 10 099	3500	5250	3500	8760	8750	6532	19250	10500	0	5250	5250	0
751401072	Cup Ref. 9710061 Dia. 61	0	0	0	0	0	0	0	0	35140	34790	5180	0
752803001	Plastic bag (big) 1500x900	50	50	0	50	50	50	50	50	100	50	200	0
752904043	Plastic bag dyopack	12800	16000	16000	6400	16000	12800	19200	30400	30400	33600	20800	19200
752906002	Carboy size 5 liters for Varnish	344	244	383	192	528	433	576	432	651	576	528	322
753502003	Kil Isotherme 4 GV	0	143	24	13	208	134	145	207	25	76	120	118
753502100	Temp dot 5 degree	0	0	0	0	0	0	0	0	0	0	0	0
753502101	Temp dot 10+deg CRM52083	0	0	0	0	0	0	0	0	0	0	0	0
754500025	Tape 3M for Lens Test	26	21	43	30	50	45	60	62	36	41	35	24
754500401	S841 Sticker 3M leap ped il	0	0	0	0	0	0	0	0	0	0	0	0
754602004	Cushion molds	12000	15000	15000	12000	12000	21000	21000	27000	33000	33200	27000	18000
754602401	C111 Cushion molds	0	0	0	0	0	0	0	0	0	0	0	0
754602402	C114 Cushion molds	0	0	0	0	0	0	0	0	0	0	0	0
759000100	Plastic pallet for EOA Shipment	0	0	0	0	0	0	16	184	0	0	0	70
810400001	Sand GS N.10 (25kg/bag)	3350	3525	3400	3125	3925	3625	3625	3775	3300	3100	3375	2375
840010402	L100A Label transfer remove	236	300	275	200	350	275	407	219	300	250	300	175
840010404	Label for Envelop size 6x5.6cm.	1837	1897	1863	1834	2276	1904	3202	1876	3144	1765	1631	1303
840010405	Label for Envelop Rx.size 7 cm.	0	0	0	0	0	0	0	0	0	0	0	3
840010407	NTPC -2 Labels	0	0	0	0	500	0	0	500	0	0	0	0
840010408	Tilus Varnish Labels	0	1000	0	0	0	0	0	0	0	1000	500	0
840010409	Label 6CM x5.6CM.	2	0	4	1	4	0	32	0	5	1	1	5
840013401	L301 Sticker red color	80050	42000	58000	30450	54600	14950	93450	33850	43050	48300	21000	58800
840013402	L302 Sticker green colour	0	4200	12600	8400	7600	0	11550	9450	13650	4200	11550	24150
840013403	L303 Sticker blue colour	4200	28350	17850	6300	9450	5250	5250	7350	0	0	10500	25200
840013404	L304 Sticker yellow colour	35700	30450	25050	22050	31500	34650	61800	39900	33600	18900	30450	34100
840013405	L305 Sticker violet colour	46200	37800	44200	33600	66400	14700	79400	23750	21000	30050	39500	41600
840013406	L306 Sticker pink colour	8400	8400	23100	8400	9450	3150	8400	3150	9450	8400	25200	11550
840013407	L307 Sticker orange colour	0	2100	5250	8400	1050	19950	0	11550	1050	10500	9450	3150
840013412	L312 Sticker green color	0	0	0	5000	0	9725	0	0	0	0	0	0
840013415	L315 Sticker checked by	46000	46000	48000	0	0	0	0	0	0	0	0	0
840013416	Sticker Label Scmigross	18000	17000	11000	13000	10000	12000	10000	10000	12000	15000	6000	6000
840013418	Gloss sticker size 4x3	23	32	40	39	64	36	58	33	24	25	13	4
840013419	Ribbon wax resin out	19	38	76	38	66	38	93	50	49	55	30	20
840013421	Gloss sticker size 4x3 Orange	6	7	14	10	18	9	9	17	15	20	10	3
840013422	Gloss sticker size 4x3 Green	21	19	19	15	24	19	36	41	27	36	25	8
840013423	Gloss sticker size 4x3 Pink	14	32	39	41	31	35	27	31	9	23	20	0
840013424	Allius M sticker	0	0	0	0	500	0	0	0	0	500	0	0
840013425	Tilus resin solution PE/FP=+17	0	0	0	0	0	0	0	0	0	0	0	0
840013433	Label FDA for box 751010038	0	0	0	0	0	0	0	0	0	0	0	0
840013434	Label Sticker case 6x8cm.	20000	0	20000	20000	25000	0	25000	60000	0	0	6000	20000
840013435	Sticker FDA	0	0	0	0	0	0	200000	120000	64000	0	27680	0
840013439	Sticker Label for A415 Box	0	0	0	0	0	0	0	0	0	0	0	0
840013440	Label Hazardous Waste	0	0	0	0	0	0	0	0	0	0	0	0
840101008	Bande de nettoyage 80mm	5	9	11	6	8	9	6	3	11	11	16	19
840705018	Magic Roller No.500 (1mm Point)	13	12	22	20	27	16	35	22	39	13	7	13
840705021	Zebra high macky	0	0	0	0	0	0	1	1	1	0	1	0
840801001	Seamless Ribbon Item	3	4	1	0	3	3	8	2	6	3	1	8
840805001	Ribbon 110mmx31m Sato CT400	26	30	15	40	40	10	58	30	25	15	61	10

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
840809002	Label for Semifinished	77	63	65	42	84	56	84	70	63	66	56	28
840817402	R102 Ribbon for monarch printer	50	70	60	60	60	80	110	46	124	30	40	40
840817404	WAX Ribbon size 7 cm x 240m.	1850	2064	2007	2014	2350	2050	1950	2050	2057	1750	1950	1000
840817405	Ribbon for Monarch printer	18	23	12	18	19	16	20	22	15	10	24	10
841203002	Printed roll paper 58M neutral	3	0	0	0	3	0	0	4	0	0	0	0
841203003	6 colour print wheel alpha-log	0	0	1	0	0	0	0	0	0	0	0	0
841205108	Red ticket HC (End Item)	0	0	10000	10000	30000	0	20000	20000	0	20000	0	0
841205300	Ticket Paper 6x10cm.	40000	40000	0	0	45000	25000	25000	25000	0	25000	25000	50000
841305001	ST01 Sticker wall	5000	0	0	0	0	0	16000	0	0	0	0	0
841305006	Sticker blue colour size 3x6cm.	10000	20000	10000	0	5000	10000	0	20000	20000	10000	10000	10000
841305008	Sticker Defective Lenses (Red)	0	0	0	50000	0	0	0	0	0	0	0	0
841502001	Chart for DPR100	0	0	0	0	0	0	7	0	0	0	0	0
841507001	Cartridge-pen 7005-90 (Violet)	0	2	0	2	3	0	0	0	4	3	2	0
841507002	Cartridge-Pen 7005-92 (Red)	0	0	0	0	1	2	0	0	0	0	0	0
841507003	PRINT ROLL PAPER 7005-60	0	0	0	0	1	0	0	0	1	1	1	0
870703006	S632 White rubber	14500	14500	14500	14200	15500	14000	15700	11800	13037	12000	12690	7000
960101010	S602 Metal opening tool No.10	12	0	5	0	24	17	30	12	14	12	12	4
960101012	S603 Metal opening tool No.12	13	2	5	0	24	2	21	13	39	0	16	4
960103370	R216 Lenses rack 70 TCD	0	0	0	0	0	0	0	0	0	0	0	0
960103570	R213 Lenses rack diam TC 70	0	200	200	70	0	0	0	50	0	0	0	0
960103676	Lens Rack for PC diam 76	0	0	300	45	55	0	0	0	0	0	0	0
960103770	R210 Lenses rack TCD 70	0	280	0	0	0	0	0	0	0	0	0	0
960103801	Flash Tray (30 lenses/tray)	0	0	0	0	0	0	0	0	0	0	0	0
960103870	Post-curing rack	0	0	0	0	0	0	0	0	0	0	0	0
960103964	Lens rack SF1674	0	0	0	0	0	0	0	0	0	0	0	0
960103965	Lens rack SF OX 80	0	0	0	0	0	0	0	0	0	0	0	0
960104001	S318 Acid rack # 8829	0	0	0	4	0	0	0	3	0	0	0	0
960104002	S320 Acid rack Ormex	0	2	0	2	0	3	0	0	0	3	0	0
960104005	Acid basket STS316	4	8	8	4	8	8	4	4	4	0	4	0
960104006	Support basket acid machine 1.67	0	0	0	0	0	0	0	10	0	0	0	0
960104007	Acid basket (Coated)	0	0	0	0	0	0	0	0	0	0	0	0
960104008	Raplex tray insert type B	0	0	0	0	0	0	0	0	0	0	0	0
960105077	S177 Clip diameter 77.83.87	0	400	0	5076	2740	500	5984	0	5000	0	5000	0
960106002	S607 Tool grinder	0	0	0	0	0	0	0	0	0	1	0	2
960106003	S617 Sharpening remmer edging	110	100	140	90	130	120	100	90	80	80	100	60
960106004	S618 Knife for demolding	10	5	0	0	0	0	0	0	0	0	0	0
960106005	S620 Edging blades/knife edging	30	30	10	20	50	50	20	0	50	10	50	0
960106006	S625 Knife for demolding	40	15	15	41	5	0	0	5	10	10	10	0
960106007	S652 Blade of cross hatch tool	0	0	0	0	1	1	0	1	0	0	0	2
960106010	Blade for Edging M/C	310	240	180	180	240	250	310	180	120	300	120	80
960106013	Blade for MADAG # 8974202	0	0	0	0	0	0	0	0	0	0	0	0
960107002	FSV Lens Box (Nikon) FS2	0	0	40	80	0	0	0	0	0	0	0	0
960107004	SF Lens box SF2	0	13	0	0	0	0	0	0	0	28	0	0
960107007	CF Lens box CF2	20	0	0	0	0	0	0	0	0	0	0	0
960107076	Acid mold rack diameter 76	0	0	0	0	0	0	0	0	0	0	0	0
960107081	Acid mold rack diameter 81	0	0	0	0	0	0	0	0	0	0	0	0
960107086	Acid mold rack diameter 86	0	0	0	0	0	0	0	0	0	0	0	0
960107091	Acid mold rack diameter 91	0	0	0	0	0	0	0	0	0	0	0	0
960109001	S315 Balance/cell's carrier ring	0	1	0	0	0	1	0	0	0	0	0	0
960109002	S315 Centreur curve 2 EME	0	0	0	0	0	0	0	0	0	0	0	0
960109003	S317 Stainless frame	3	7	4	0	2	7	2	3	0	0	0	2
960109004	S621 Acid tank washing	0	0	0	0	0	0	0	0	0	0	0	0
960200077	S614 Plastic seal diam 77	0	0	0	0	0	0	0	0	0	0	0	0
960200087	S615 Plastic seal diam 87	0	0	0	10	0	0	0	0	0	0	0	0
960201101	Dis-assembly wedge for 1.67	60	78	57	56	66	98	86	92	40	44	30	0
960201102	Dis-assembly wedge for MR8	0	0	0	32	46	76	83	83	40	32	30	0
960202183	R206 Mold rack diam 83 (plastic)	0	100	100	0	670	0	78	0	0	0	0	0
960301001	S200 Tissue bemcot M-3	9900	12400	11900	10802	19700	15100	22200	14200	11600	15900	15301	16400
960301009	Tissue paper kim lowei Wipers	42	51	65	70	70	64	70	65	57	46	48	32
960301011	WYPALL X70 NO.60370	15	15	15	13	26	22	20	21	18	12	16	4
960301013	Cleaning tissue WIPALL L40	0	8	2	0	2	7	0	4	29	15	22	0
960409001	S153 Brush-Nylon (small)	32	39	69	53	25	57	23	92	59	42	34	19
960409004	S605 Brusher type violet	188	202	314	156	274	204	273	101	217	238	180	166
960409009	Round brush for edging m/c	7	20	20	20	18	20	0	0	20	0	30	0
960409011	Brass brush (Tread 5/8")	0	0	0	0	0	0	0	0	0	0	0	0
960500001	S139 Clothes filler	0	0	1	0	0	0	0	0	0	0	0	0
960500003	S324 Manual dispensing pump	7	19	5	9	18	21	3	13	18	3	3	4
960500004	S606 Rubber Hutchinson 250mm.	15	0	10	20	0	15	0	0	0	0	0	0
960500005	S633 Rulers Essilor & Varlux	2	26	0	0	25	1	31	54	3	21	0	0
960500006	S650 Ink for wellability	22	9	26	18	30	29	65	0	0	0	0	14
960500007	S651 Dosa test (prolabe)	0	1	2	4	0	3	6	0	4	0	2	3
960500008	P508 Sticky mat	6	4	5	3	6	1	0	3	0	1	2	1
960500009	Chemcassette	5	6	6	9	13	12	18	11	8	7	9	3
960500010	PE sticky roller 100 mm x 20m.	0	0	0	0	0	0	0	0	0	0	0	0
960500011	PE sticky roller 200 mm. x 20m.	0	0	0	0	0	0	0	0	0	10	0	0



Item Code	Item Description	Jan-96	Feb-96	Mar-96	Apr-96	May-96	Jun-96	Jul-96	Aug-96	Sep-96	Oct-96	Nov-96	Dec-96
960501003	S131 Dropper plastic 3 ML	5250	5250	3750	3250	5750	5500	3500	4750	5250	4750	4750	3250
960501006	S132 Dropper plastic 6 ML	0	0	0	0	0	0	0	0	200	0	0	0
960502001	P501 Disposable syringe 1 ML	0	0	0	0	0	0	100	0	0	0	0	0
960502005	S134 Syringe 5 ML	100	200	100	100	200	100	0	100	200	100	200	100
960502007	Pipette Filler 100 p/ bag Cdde	0	0	0	0	0	0	0	0	0	0	0	0
960502010	P502 Disposable syringe 10 ML	1000	700	1000	1300	700	900	1200	800	800	900	800	400
960502020	P503 Disposable syringe 20 ML	900	1000	1200	1250	1153	1447	1450	1400	1050	1450	1000	1650
960502030	Disposable Balance dish	300	300	600	600	300	1000	0	1100	300	300	900	400
960510001	S135 Universal indicator	0	1	10	0	4	0	0	0	5	5	4	0
960511001	S136 Filter paper Whatman No.1	0	0	1	0	1	0	1	0	1	1	0	0
960511003	S138 Aluminium foil	35	34	23	26	32	29	35	57	31	46	51	17
960511004	S156 Filter paper GFC, 9 CMS	31	41	40	38	48	40	44	50	48	36	49	35
960511005	S158 Aluminium pan	0	1	0	1	0	1	0	1	2	1	1	0
960511006	Plastic bottle (for acetone)	83	78	108	84	120	128	86	69	79	71	96	35
960511008	Yellow rectangular BMP Code	0	0	0	0	0	0	8	0	12	0	0	0
960511009	Sekuy Cloth (optional)	0	0	7	0	0	0	0	0	0	0	0	0
960511012	Paraffin paper 105	2	1	6	2	0	0	0	0	0	2	0	0
960511013	Thermal paper L9028	12	5	18	0	10	15	0	10	10	10	10	0
960511015	Aluminum tape	0	2	6	5	5	0	0	9	5	0	11	0
960511016	Dust collector net (1.67 Edging)	0	5	0	0	0	9	0	0	0	0	0	0
960511017	Assembly Tape(30mmX50m)	0	10	0	0	0	0	0	0	0	0	0	0
960511018	Assembly Tape(20mmX50m)	15	30	20	0	30	0	17	18	0	15	17	15
960701001	MT01 Flexible hose	0	0	0	0	0	0	0	0	0	0	0	0
960701002	MT02 Flexible hose	0	0	0	1	0	0	0	0	0	0	1	0
960701004	S323 Silicone tube	2	0	15	30	15	15	1	15	1	0	2	1
960701005	S629 12 flex hose # 8425-12	0	1	0	0	1	0	3	22	1	19	2	0
960702001	S630 Nozzle # 8425-15	0	4	0	0	1	0	1	5	0	13	7	0
960702002	S631 Nozzle # 8525-179	0	1	10	0	1	0	1	6	0	8	0	0
960900401	S322 Cell DU 70 No.67.741	0	1	1	1	0	1	1	0	0	1	0	1
960909002	S911 Marking stamp (red)	0	0	0	0	0	0	1	0	0	0	1	0
960909003	S912 Pad cleaner film	0	2	0	0	0	1	0	0	0	1	0	1
960909004	S916 Cup+cover ref#6190801	0	0	3	10	0	5	15	0	0	0	16	0
960909005	S929 Staedler lump color pen	4	11	9	11	19	12	14	16	18	8	3	8
960909007	S933 Yellow Ink Y57-66	1	3	2	0	2	1	4	10	2	0	2	0
960909009	Lumo color permanent	0	0	1	0	1	1	0	2	1	1	0	0
960910001	Z040 Recorder color pen (red)	10	20	0	10	20	30	10	20	10	30	10	10
960910002	Z041 Recorder color pen (blue)	0	20	10	10	10	20	10	10	10	20	10	0
960910003	Z042 Recorder color pen (green)	0	20	10	10	20	20	20	20	10	20	20	10
960910004	Z002 Aluminium	99	95	126	90	142	92	124	109	96	108	107	62
960910005	Z026 Glass beads No.8(MS-M)	1675	1625	1775	1875	2300	1725	1925	1625	1475	1450	1575	1200
960910006	Z029 EBG filament D 0.8 mm	50	30	40	10	40	50	30	40	50	40	40	10
960910007	Z030 IBG filament D0.55 MM	20	0	10	10	10	10	0	0	0	0	0	0
960910008	Z031 Cathode filament	330	450	590	400	420	196	514	390	340	261	319	170
960910009	Z037 Record chart KQ-060B	0	8	0	10	0	10	0	4	4	6	0	4
960910010	Z038 Gas distributor	26	17	18	26	22	26	6	19	21	28	3	18
960910012	Z044 Cathodeplate Ceramic disc	2	1	1	0	0	1	1	0	0	0	1	1
960910015	Cathode plates	1	1	1	0	0	0	1	0	0	0	0	0
960910016	Sand for treat chemical	0	0	0	2	2	2	4	0	6	0	0	0
960911001	Complete ink-pot dia.90	0	0	5	0	0	0	3	0	0	0	0	0
960911002	Indexing ring dia 90	0	0	0	0	0	0	0	0	0	0	0	0
960911003	Silicone Pad for CTEA-PPL	0	0	0	0	0	0	0	0	0	0	0	0
970201008	Cushion paper	4	5	4	3	5	5	5	6	4	3	3	3
970201011	OLFA cutter model 300 snap	0	0	0	0	0	16	3	0	0	0	0	0
970201013	Blade of NT cutter for 1.67	2	1	2	3	1	3	0	2	0	2	0	0
970208003	S640 Steel wool	7	3	5	10	0	5	3	5	0	3	4	3
970212006	Cream (DeRa sol) 120 ml.	0	2	0	0	1	0	0	0	0	3	0	0
970301001	S635 Hair net (short)	140	74	139	73	149	101	111	128	72	100	246	80
970302002	S808 Safety glasses SS-253	69	53	75	53	46	60	76	50	52	169	52	21
970302003	Goggle Model GOG-N300	3	0	1	6	5	3	7	2	5	1	1	1
970302004	S812 Goggle AO 484 BAF	0	4	0	1	8	4	0	0	1	2	1	1
970302005	Safety Glasses NV9289GRC	0	13	24	0	8	1	0	0	0	5	0	0
970303001	S804 Hearing protector 3M 1110	258	241	311	308	394	221	427	270	206	344	222	179
970303002	S805 Hearing protector QD-30	105	85	79	98	108	127	109	152	103	193	110	70
970303003	S907 Ear cover	1	0	0	0	0	1	0	0	0	0	0	0
970303004	Headgear for face shield	0	0	0	0	0	0	0	0	0	0	0	0
970303006	Anti chemical apron	0	0	17	3	8	4	18	2	0	0	0	8
970304002	S121 Rubber gloves No.9	972	924	1104	1248	1296	1572	1176	1260	1128	1248	1128	1023
970304003	S120 Rubber gloves No.10	2244	1884	1980	1728	2064	2316	2184	2208	2364	2796	1812	1452
970304004	S115 Over sleeve	44	41	26	23	59	89	31	49	68	41	39	34
970304005	S122 Nylon gloves (TC)	17184	18996	16092	16896	23018	20532	20665	19368	18362	19572	16512	13092
970304006	S123 Cotton gloves (Thin)	2436	2617	1872	2424	2592	2376	3024	2604	2568	2628	2232	1572
970304007	S124 Finger col	116	159	110	131	147	115	139	176	189	130	117	90
970304008	S125 Dura-Touch glove	48	46	57	47	59	58	94	47	56	57	54	48
970304009	S128 Rubber gloves 7.5	4212	4680	4944	4428	6684	5330	6060	7006	5772	5952	5988	4440
970304010	S129 Nylon tricot gloved	2100	2100	2020	1940	2040	1950	1820	2940	2280	2240	1700	1136

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
970304011	S130 TC finger	1200	1800	2400	2100	3000	1700	3500	3200	1100	1900	1300	0
970304012	S154 Rubber gloveNo.8	300	312	420	372	612	696	548	392	480	432	672	181
970304013	S155 Rubber gloveNo.9	324	312	288	408	372	300	384	336	408	228	324	132
970304014	S637 Green finger tape	768	904	352	372	304	492	592	352	416	288	528	272
970304016	Z051 Gloves rubber SH100/150	1	2	1	1	5	2	1	2	3	1	0	3
970304019	Nylon glove rubber coat No.8	2	0	12	12	12	36	36	48	0	16	42	24
970304020	Nylon glove rubber coat No.9	48	60	48	24	84	36	60	108	64	120	48	12
970304022	Poly urethane glove	112	127	234	247	269	350	331	278	236	269	253	189
970304026	Polyethylene long glove	34	41	48	33	54	84	42	35	28	26	39	9
970304027	Orange finger cot size s	0	0	0	0	0	0	0	0	0	0	0	0
970304028	Orange finger cot size m	0	0	0	0	0	0	0	0	0	0	0	0
970304029	Latex Finger cot	0	0	0	0	0	0	0	0	0	0	0	0
970305001	S111 Blue apron	94	87	67	69	124	74	112	109	88	61	43	160
970305002	S112 Cream apron	18	12	10	0	5	11	21	7	20	9	2	
970305003	S114 Blue overalls	7	11	0	0	3	0	4	0	0	0	0	6
970305004	S116 Smock - Anti static size L	0	118	1115	45	0	184	0	16	0	0	28	38
970305005	S117 Smock - Blue	0	36	241	0	0	78	0	26	0	0	4	10
970305006	S118 Smock- White	0	62	115	57	58	27	0	52	0	10	25	49
970305007	Smock Anti static blue size L	0	0	6	0	0	0	0	9	0	2	0	0
970305009	Anti-static coverall with hood	0	0	0	0	0	0	0	0	0	0	0	0
970306001	S809 Safety shoes (man)	0	0	0	0	20	12	1	18	0	17	17	9
970306101	S810 Safety shoes (woman)	0	0	0	5	3	2	0	3	0	4	10	16
970306201	Z020 Shoes cover 542 SP	700	900	0	950	1500	100	20	50	150	0	2630	1650
970306204	P510 Shoes cover SBPP	2210	2060	1500	1870	2690	2790	3060	3350	2600	2150	3850	2950
970309001	S801 Face shield (W95)	8	0	8	8	0	13	8	0	8	0	0	0
970309002	S802 Mask cover model 2500	0	1	1	0	0	0	0	0	0	10	0	0
970309003	S803 Mask 2 filter 3M-6200	3	10	6	4	0	9	14	5	2	1	15	3
970309005	S813 Safety mask 3M 7500	0	7	11	0	10	0	14	1	2	6	8	0
970309006	S814 Refill filter 3M 7253	7	18	22	9	35	11	29	15	11	13	22	3
970309007	S815 Activate carbon mask	316	336	300	248	337	378	260	290	201	320	309	244
970309008	S806 Mask type 2	11676	11652	10296	10500	13176	12108	12612	11196	12144	12816	10812	8760
970309009	Sparl part of Filter Mask Body	1	2	1	0	0	1	0	0	0	0	0	5
970309011	Face mask 3PLY/P.P.SPLINBOND	450	500	650	600	850	1200	1650	950	1100	1350	1750	900
970309012	Carbon face mask 4 PLY	2950	1875	2300	1775	3100	2975	5160	4800	3750	5125	4325	3824
970311002	S186 Tape PVC green color	14	13	17	52	43	29	38	40	49	33	24	37
970311006	S187 Tape PVC pink color	0	0	0	0	2	0	0	0	0	0	0	0
970311007	S184 Tape PVC red color	14	10	18	21	28	25	22	11	14	15	18	20
970311009	Tape PVC White color	2	2	5	4	12	10	17	2	1	6	3	10
970400002	Vaseline Petrolium Gel Cream	0	0	0	0	0	0	0	0	0	0	24	36
970400003	Normal Seline 0.9%+C819	300	300	200	200	300	200	200	300	200	300	200	200
970401002	S614 Frames lancy	4	5	11	18	5	5	5	22	16	11	6	0
973000210	HP TONER C9722A	0	1	0	0	0	0	0	0	1	0	0	0
973001002	HP02 HP Inkjet C1823D	0	0	0	0	0	0	0	0	0	0	0	0
973001003	HP03 HP Inkjet 51645A	2	2	2	0	0	0	0	0	0	0	0	0
973001005	HP05 HP Inkjet 51640A	0	0	0	0	0	0	0	0	0	0	0	0
973001016	HP26 Lexmark Ink water proof	0	0	0	0	0	0	0	0	0	0	0	0
973001017	HP Toner C8061X	1	0	2	1	5	2	2	2	1	1	1	3
973001021	HP37 HP Ink jet C4844A	3	5	4	3	4	4	4	12	7	5	10	7
973001022	HP Ink jet C6578D	2	2	2	0	0	0	0	0	0	0	0	0
973001101	HP17 Toner C4149A	0	0	1	0	0	0	0	2	0	0	0	0
973001102	HP18 HP Toner C4150A	0	0	0	0	2	0	1	0	0	0	0	0
973001103	HP19 HP Toner C4151A	0	0	0	0	1	0	1	3	0	0	0	0
973001104	HP20 HP Toner C4152A	0	0	0	0	2	0	1	0	0	0	0	0
973001105	HP21 HP drum kit C4153A	0	0	0	0	2	0	0	3	0	0	0	0
973001106	HP22 HP Toner C4127X	4	4	2	2	4	2	3	6	1	3	2	2
973001113	HP29 HP Toner C4092 A	4	3	4	4	3	6	2	2	5	1	5	1
973001114	HP33 C4156A ( fuser kit)	0	0	0	0	2	0	0	0	0	0	0	0
973001116	HP35 HP C6614A	0	0	0	0	0	0	0	0	0	0	0	0
973001118	HP Toner C4096A	1	2	1	2	3	1	2	3	2	2	3	4
973001119	HP43 HP C4836A	3	3	2	1	3	3	1	10	2	4	5	5
973001120	HP44 HP C4837A	2	2	1	1	3	3	2	6	3	3	6	5
973001121	HP45 HP C4838A	2	1	1	1	3	3	1	6	4	4	7	5
973001122	HP46 HP Toner C4191A	0	0	0	0	0	0	0	0	0	0	0	0
973001123	HP47 HP Toner C4192A	0	0	0	0	0	0	0	0	0	0	0	0
973001124	HP48 HP Toner C4193A	0	0	0	0	0	0	0	0	0	0	0	0
973001125	HP49 HP Toner C4194A	0	0	0	0	0	0	0	0	0	0	0	0
973001126	HP50 HP C4195A drum kit	0	0	0	0	0	0	0	0	0	0	0	0
973001127	HP C7115A Toner/1201	13	12	9	10	17	16	15	13	11	11	12	7
973001128	Brother Toner Cartridge TN-8000	0	0	1	0	0	0	0	0	0	0	1	0
973001129	Brother Drum Unit DR-8000	0	0	0	0	0	0	0	1	0	1	1	0
973001130	HP Laser jet toner #Q2613A	3	6	5	12	7	9	12	8	9	6	6	8
973001131	HP TONER Q2612A	1	0	1	4	5	4	4	1	3	1	5	4
973001132	HP Laser jet Q5942X	0	0	1	1	2	0	0	1	1	3	1	5
973001133	HP INKJET C4810A	0	0	1	1	0	0	1	5	1	0	1	0
973001134	HP INKJET C4811A	0	0	1	0	0	0	1	3	1	1	0	0

Item Code	Item Description	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
973001135	HP INKJET C4812A	0	0	1	0	0	0	1	3	1	0	0	0
973001136	HP INKJET C4813A	0	0	1	0	0	0	1	3	1	0	0	0
973001141	HP Cyan Toner Cartridge Q 7581	0	0	0	0	0	0	0	0	0	0	0	0
973001142	HP Yellow toner Cartridge Q7582A	0	0	0	0	0	0	0	0	0	0	0	0
973001143	HP Magent Toner Cartridge Q7583A	0	0	0	0	0	0	0	0	0	0	0	0
973001202	HP31 NEC P7 300	0	0	0	0	0	0	0	0	0	1	0	0
973001204	C4154 A (Fuser KIT 8500)	0	0	0	0	2	0	0	0	0	0	0	0
973001205	HP C4196A / Transfer Kit	0	0	0	0	0	0	0	0	0	0	0	0
973001210	Ribbon for DP 100 (KEM)	0	0	0	0	0	0	0	0	0	0	0	0
973001211	Ribbon for Epson LQ 300	1	1	1	0	1	0	2	0	0	0	0	2
973001212	Toner HP Laser Jet 2300	3	2	1	1	4	0	1	0	3	1	2	1
973001213	HP Ink C6657A CO/DJ450	0	0	0	0	0	0	0	0	0	0	0	0
973001214	HP Ink C6656A BK/DJ450	0	0	0	0	0	0	0	0	0	0	0	0
973001215	HP TONER Q5949X for HP 1320	2	2	3	4	6	3	7	8	6	8	5	4
973001216	Ribbon Epson LQ-2170I	0	0	0	0	0	0	0	0	0	0	0	3
973003180	S191 Paper A4 80g	531	486	562	492	659	581	554	568	552	567	461	436
973003270	White paper for copiers	0	0	0	0	0	0	4	15	20	10	13	5
973003280	S193 Paper A3 80g	3	1	6	5	0	0	0	0	1	0	2	0
973003380	S192 Paper F4 80g	6	0	4	1	6	1	6	1	0	3	0	5
973003403	Pink Paper A4 (80g)	8	26	27	20	26	30	33	28	13	31	30	13
973004001	S326 Index support	10	11	23	0	1	2	22	0	0	20	3	6
975102014	S233 Dry steward (5 LTS)	7	6	5	5	7	6	5	5	7	3	9	0
975102017	S229 Rust and stainless	9	1	3	1	4	1	4	2	2	5	13	12
975103003	Z003 Scotch brile very fine	27	44	51	45	43	53	37	42	28	35	42	32
975201001	C105 Plastic white bag	0	26	0	0	0	26	0	25	0	25	0	0
975201002	C106 Plastic white bag size	5	0	0	25	26	30	25	0	50	0	15	5
975201005	Sand Bin (red color) KT G-16KS	0	0	0	0	0	0	2	0	2	0	0	0
975202006	C108 Garbage bag	25	3	25	30	20	0	25	20	25	2	38	0
979900001	S143 Piece of cloth	1650	2000	1715	1675	1750	1950	2200	2025	1975	2225	1850	1780
28011001P	Wheel CMV D 151 c75	0	1	0	0	0	0	0	0	0	1	2	0
290501076P	Polishing Pad diam 76	0	0	0	0	0	0	0	0	1	1	0	2
290501083P	Polishing Pad diam 83	0	0	0	0	0	0	0	1	2	0	1	2
290501101P	Polishing pad diam 101	0	1	1	1	1	2	2	2	1	4	1	4

**ภาคผนวก ค**

**การทดสอบการแจกแจงของอัตราการใช้โดยโคโมโกรอฟ-สไมนอฟ**

### ตัวอย่างผลลัพธ์การทดสอบการแจกแจงของอัตราการใช้ที่มีการแจกแจงแบบปกติ

One-Sample Kolmogorov-Smirnov Test

	C040101406	C040102902	C040102904	C040107007	C040109001	C040200401	C040201001	
N	12	12	12	12	12	12	12	
Normal Parameters <sup>a,b</sup>	Mean	25053.3333	11.4167	13.7500	34.5833	.8333	3.8333	1356.2500
	Std. Deviation	5577.31335	14.71214	5.64277	10.91670	.57735	2.58785	196.68347
Most Extreme Differences	Absolute	.195	.347	.187	.182	.364	.224	.227
	Positive	.147	.347	.187	.143	.303	.224	.133
	Negative	-.195	-.219	-.154	-.182	-.364	-.124	-.227
Kolmogorov-Smirnov Z	.675	1.202	.648	.630	1.259	.777	.786	
Asymp. Sig. (2-tailed)	.752	.111	.795	.822	.084	.582	.568	

a. Test distribution is Normal.

b. Calculated from data.

One-Sample Kolmogorov-Smirnov Test

	C040304401	C040304402	C040304901	C040409006	C040417001	C040425001	C040425005	
N	12	12	12	12	12	12	12	
Normal Parameters <sup>a,b</sup>	Mean	9363.0000	272.5667	33.6667	1916.6667	206.0000	964.8333	3.7500
	Std. Deviation	1883.99450	56.48168	10.01211	527.14209	59.19459	385.74858	1.71226
Most Extreme Differences	Absolute	.174	.190	.149	.219	.234	.132	.192
	Positive	.107	.142	.149	.134	.164	.123	.192
	Negative	-.174	-.190	-.101	-.219	-.234	-.132	-.141
Kolmogorov-Smirnov Z	.604	.660	.518	.760	.810	.458	.665	
Asymp. Sig. (2-tailed)	.859	.777	.952	.611	.528	.985	.768	

a. Test distribution is Normal.

b. Calculated from data.

One-Sample Kolmogorov-Smirnov Test

	P750401102	P750401103	P750401104	P750401105	P750401111	P750401121	P750401165	
N	12	12	12	12	12	12	12	
Normal Parameters <sup>a,b</sup>	Mean	104091.6667	35041.6667	91650.0000	68200.0000	84166.6667	92800.0000	101741.6667
	Std. Deviation	77731.72347	29581.51936	71631.38596	61974.37887	74890.02037	77189.55417	106735.148
Most Extreme Differences	Absolute	.160	.274	.212	.198	.169	.255	.246
	Positive	.160	.274	.212	.198	.161	.255	.246
	Negative	-.095	-.145	-.133	-.153	-.169	-.144	-.204
Kolmogorov-Smirnov Z	.553	.948	.734	.687	.586	.884	.851	
Asymp. Sig. (2-tailed)	.919	.329	.654	.733	.882	.415	.464	

a. Test distribution is Normal.

b. Calculated from data.

One-Sample Kolmogorov-Smirnov Test

	O960409001	O960409004	O960500006	O960500008	O960500009	O960511004	O960511006	
N	12	12	12	12	12	12	12	
Normal Parameters <sup>a,b</sup>	Mean	44.5000	208.5833	17.7500	2.6667	8.9167	41.6667	86.2500
	Std. Deviation	20.67278	59.45733	18.94070	2.18812	4.10007	6.16933	24.82713
Most Extreme Differences	Absolute	.158	.114	.176	.194	.159	.181	.171
	Positive	.158	.114	.176	.194	.159	.126	.171
	Negative	-.109	-.111	-.174	-.111	-.086	-.181	-.160
Kolmogorov-Smirnov Z	.548	.395	.608	.670	.549	.627	.591	
Asymp. Sig. (2-tailed)	.925	.998	.853	.760	.924	.827	.876	

a. Test distribution is Normal.

b. Calculated from data.

อัตราการใช้ของรายการพัสดุตัวอย่างมีการแจกแจงแบบปกติ เนื่องจากค่านี้สำคัญ  
(Asymp. Sig. (2-tailed)) มีค่ามากกว่า 0.05

**แสดงตัวอย่างผลลัพธ์การทดสอบการแจกแจงของอัตราการใช้ที่มีการแจกแจงแบบพัว  
ของ**

**One-Sample Kolmogorov-Smirnov Test**

		O040000517	C040000526	C040000527
N		12	12	12
Normal Parameters <sup>a,b</sup>	Mean	.3333	.5833	.4167
	Std. Deviation	.65134	1.08362	.79296
Most Extreme Differences	Absolute	.446	.455	.450
	Positive	.446	.455	.450
	Negative	-.304	-.295	-.300
Kolmogorov-Smirnov Z		1.544	1.576	1.560
Asymp. Sig. (2-tailed)		.017	.014	.015

a. Test distribution is Normal.

b. Calculated from data.

ค่านัยสำคัญ (Asymp. Sig. (2-tailed)) ของอัตราการใช้ของรายการพัสดุตัวอย่างมีค่าน้อยกว่า 0.05 ไม่เป็นการแจกแจงแบบปกติ จึงทำการทดสอบการแจกแจงแบบพัวของได้ผลลัพธ์ดังนี้

**One-Sample Kolmogorov-Smirnov Test 2**

		O040000517	C040000526	C040000527
N		12	12	12
Poisson Parameter <sup>a,b</sup>	Mean	.3333	.5833	.4167
	Absolute	.039	.192	.101
Most Extreme Differences	Positive	.033	.192	.091
	Negative	-.039	-.134	-.101
Kolmogorov-Smirnov Z		.134	.665	.348
Asymp. Sig. (2-tailed)		1.000	.768	1.000

a. Test distribution is Poisson.

b. Calculated from data.

ค่านัยสำคัญ (Asymp. Sig. (2-tailed)) ของอัตราการใช้ของรายการพัสดุตัวอย่างมีค่ามากกว่า 0.05 จึงเป็นการแจกแจงแบบพัวของ

## **ภาคผนวก ง**

**การคำนวณความสามารถในการจัดเก็บของหิ้งวางของ**

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CA0101	49	100	7	39.4	193,060	CA0101	49	100	5	28.8	141,120
CA0102	49	100	7	39.4	193,060	CA0102	49	100	6	34.1	167,090
CA0103	49	100	7	39.4	193,060	CA0103	49	100	6	34.1	167,090
CA0104	49	100	7	39.4	193,060	CA0104	49	100	6	34.1	167,090
CA0105	49	100	7	39.4	193,060	CA0105	49	100	6	34.1	167,090
CA0106	49	100	7	39.4	193,060	CA0106	49	100	6	34.1	167,090
CA0107	49	100	6	34.1	167,090	CA0107	49	100	6	34.1	167,090
CA0108	49	100	-	1.0	4,900	CA0108	49	100	6	34.1	167,090
-	-	-	-	-	-	CA0109	49	100	-	1.0	4,900
CA0201	49	100	7	39.4	193,060	CA0201	49	100	23	124.2	608,580
CA0202	49	100	7	39.4	193,060	CA0202	49	100	24	129.5	634,550
CA0203	49	100	7	39.4	193,060	CA0203	49	100	5	28.8	141,120
CA0204	49	100	7	39.4	193,060	CA0204	49	100	-	1.0	4,900
CA0205	49	100	7	39.4	193,060	-	-	-	-	-	-
CA0206	49	100	7	39.4	193,060	-	-	-	-	-	-
CA0207	49	100	6	34.1	167,090	-	-	-	-	-	-
CA0208	49	100	-	1.0	4,900	-	-	-	-	-	-
CA0301	49	100	7	39.4	193,060	CA0301	49	100	23	124.2	608,580
CA0302	49	100	7	39.4	193,060	CA0302	49	100	24	129.5	634,550
CA0303	49	100	7	39.4	193,060	CA0303	49	100	5	28.8	141,120
CA0304	49	100	7	39.4	193,060	CA0304	49	100	-	1.0	4,900
CA0305	49	100	7	39.4	193,060	-	-	-	-	-	-
CA0306	49	100	7	39.4	193,060	-	-	-	-	-	-
CA0307	49	100	6	34.1	167,090	-	-	-	-	-	-
CA0308	49	100	-	1.0	4,900	-	-	-	-	-	-
CA0401	49	100	7	39.4	193,060	CA0401	49	100	5	28.8	141,120
CA0402	49	100	7	39.4	193,060	CA0402	49	100	6	34.1	167,090
CA0403	49	100	7	39.4	193,060	CA0403	49	100	6	34.1	167,090
CA0404	49	100	7	39.4	193,060	CA0404	49	100	6	34.1	167,090
CA0405	49	100	7	39.4	193,060	CA0405	49	100	6	34.1	167,090
CA0406	49	100	7	39.4	193,060	CA0406	49	100	6	34.1	167,090
CA0407	49	100	6	34.1	167,090	CA0407	49	100	6	34.1	167,090
CA0408	49	100	-	1.0	4,900	CA0408	49	100	6	34.1	167,090
-	-	-	-	-	-	CA0409	49	100	-	1.0	4,900
CA0501	49	100	7	39.4	193,060	CA0501	49	100	7	39.4	193,060
CA0502	49	100	7	39.4	193,060	CA0502	49	100	7	39.4	193,060
CA0503	49	100	7	39.4	193,060	CA0503	49	100	6	34.1	167,090
CA0504	49	100	7	39.4	193,060	CA0504	49	100	6	34.1	167,090
CA0505	49	100	7	39.4	193,060	CA0505	49	100	7	39.4	193,060
CA0506	49	100	7	39.4	193,060	CA0506	49	100	7	39.4	193,060
CA0507	49	100	6	34.1	167,090	CA0507	49	100	8	44.7	219,030
CA0508	49	100	-	1.0	4,900	CA0508	49	100	-	1.0	4,900
CA0601	49	100	7	39.4	193,060	CA0601	49	100	6	34.1	167,090
CA0602	49	100	7	39.4	193,060	CA0602	49	100	6	34.1	167,090
CA0603	49	100	5	28.8	141,120	CA0603	49	100	6	34.1	167,090
CA0604	49	100	5	28.8	141,120	CA0604	49	100	6	34.1	167,090
CA0605	49	100	5	28.8	141,120	CA0605	49	100	6	34.1	167,090
CA0606	49	100	5	28.8	141,120	CA0606	49	100	6	34.1	167,090
CA0607	49	100	5	28.8	141,120	CA0607	49	100	6	34.1	167,090
CA0608	49	100	8	44.7	219,030	CA0608	49	100	5	28.8	141,120
CA0609	49	100	-	1.0	4,900	CA0609	49	100	-	1.0	4,900
CA0701	49	100	7	39.4	193,060	CA0701	49	100	7	39.4	193,060
CA0702	49	100	7	39.4	193,060	CA0702	49	100	7	39.4	193,060
CA0703	49	100	7	39.4	193,060	CA0703	49	100	7	39.4	193,060
CA0704	49	100	7	39.4	193,060	CA0704	49	100	6	34.1	167,090
CA0705	49	100	7	39.4	193,060	CA0705	49	100	6	34.1	167,090
CA0706	49	100	7	39.4	193,060	CA0706	49	100	7	39.4	193,060
CA0707	49	100	6	34.1	167,090	CA0707	49	100	8	44.7	219,030
CA0708	49	100	-	1.0	4,900	CA0708	49	100	-	1.0	4,900
CA0801	49	100	7	39.4	193,060	CA0801	49	100	7	39.4	193,060
CA0802	49	100	7	39.4	193,060	CA0802	49	100	7	39.4	193,060



Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CA0803	49	100	7	39.4	193,060	CA0803	49	100	7	39.4	193,060
CA0804	49	100	7	39.4	193,060	CA0804	49	100	7	39.4	193,060
CA0805	49	100	7	39.4	193,060	CA0805	49	100	8	44.7	219,030
CA0806	49	100	7	39.4	193,060	CA0806	49	100	6	34.1	167,090
CA0807	49	100	6	34.1	167,090	CA0807	49	100	6	34.1	167,090
CA0808	49	100	-	1.0	4,900	CA0808	49	100	-	1.0	4,900
CA0901	49	100	15	81.8	400,820	CA0901	49	100	7	39.4	193,060
CA0902	49	100	15	81.8	400,820	CA0902	49	100	7	39.4	193,060
CA0903	49	100	7	39.4	193,060	CA0903	49	100	7	39.4	193,060
CA0904	49	100	7	39.4	193,060	CA0904	49	100	9	50.0	245,000
CA0905	49	100	6	34.1	167,090	CA0905	49	100	9	50.0	245,000
CA0906	49	100	-	1.0	4,900	CA0906	49	100	10	55.3	270,970
-	-	-	-	-	-	CA0907	49	100	-	1.0	4,900
CA1001	49	100	7	39.4	193,060	CA1001	49	100	6	34.1	167,090
CA1002	49	100	7	39.4	193,060	CA1002	49	100	6	34.1	167,090
CA1003	49	100	7	39.4	193,060	CA1003	49	100	6	34.1	167,090
CA1004	49	100	7	39.4	193,060	CA1004	49	100	6	34.1	167,090
CA1005	49	100	7	39.4	193,060	CA1005	49	100	6	34.1	167,090
CA1006	49	100	7	39.4	193,060	CA1006	49	100	9	50.0	245,000
CA1007	49	100	6	34.1	167,090	CA1007	49	100	9	50.0	245,000
CA1008	49	100	-	1.0	4,900	CA1008	49	100	-	1.0	4,900
CB0101	49	100	6	34.1	167,090	CB0101	49	100	9	50.0	245,000
CB0102	49	100	6	34.1	167,090	CB0102	49	100	23	124.2	608,580
CB0103	49	100	6	34.1	167,090	CB0103	49	100	4	23.5	115,150
CB0104	49	100	6	34.1	167,090	CB0104	49	100	15	81.8	400,820
CB0105	49	100	6	34.1	167,090	CB0105	49	100	-	1.5	7,350
CB0106	49	100	6	34.1	167,090	-	-	-	-	-	-
CB0107	49	100	6	34.1	167,090	-	-	-	-	-	-
CB0108	49	100	5	28.8	141,120	-	-	-	-	-	-
CB0109	49	100	-	1.0	4,900	-	-	-	-	-	-
CB0201	49	100	18	97.7	478,730	CB0201	49	100	6	34.1	167,090
CB0202	49	100	5	28.8	141,120	CB0202	49	100	5	28.8	141,120
CB0203	49	100	5	28.8	141,120	CB0203	49	100	4	23.5	115,150
CB0204	49	100	5	28.8	141,120	CB0204	49	100	4	23.5	115,150
CB0205	49	100	11	60.6	296,940	CB0205	49	100	3	18.2	89,180
CB0206	49	100	5	28.8	141,120	CB0206	49	100	3	18.2	89,180
CB0207	49	100	-	1.0	4,900	CB0207	49	100	23	124.2	608,580
-	-	-	-	-	-	CB0208	49	100	-	1.0	4,900
CB0301	49	100	7	39.4	193,060	CB0301	49	100	8	44.7	219,030
CB0302	49	100	7	39.4	193,060	CB0302	49	100	9	50.0	245,000
CB0303	49	100	7	39.4	193,060	CB0303	49	100	9	50.0	245,000
CB0304	49	100	7	39.4	193,060	CB0304	49	100	9	50.0	245,000
CB0305	49	100	7	39.4	193,060	CB0305	49	100	9	50.0	245,000
CB0306	49	100	7	39.4	193,060	CB0306	49	100	5	28.8	141,120
CB0307	49	100	6	34.1	167,090	CB0307	49	100	-	1.0	4,900
CB0308	49	100	-	1.0	4,900	-	-	-	-	-	-
CB0401	49	100	8	44.7	219,030	CB0401	49	100	9	50.0	245,000
CB0402	49	100	6	34.1	167,090	CB0402	49	100	9	50.0	245,000
CB0403	49	100	7	39.4	193,060	CB0403	49	100	5	28.8	141,120
CB0404	49	100	7	39.4	193,060	CB0404	49	100	9	50.0	245,000
CB0405	49	100	7	39.4	193,060	CB0405	49	100	9	50.0	245,000
CB0406	49	100	7	39.4	193,060	CB0406	49	100	8	44.7	219,030
CB0407	49	100	6	34.1	167,090	CB0407	49	100	-	1.0	4,900
CB0408	49	100	-	1.0	4,900	-	-	-	-	-	-
CB0501	49	100	8	44.7	219,030	CB0501	49	100	3	18.2	89,180
CB0502	49	100	14	76.5	374,850	CB0502	49	100	6	34.1	167,090
CB0503	49	100	7	39.4	193,060	CB0503	49	100	6	34.1	167,090
CB0504	49	100	7	39.4	193,060	CB0504	49	100	6	34.1	167,090
CB0505	49	100	7	39.4	193,060	CB0505	49	100	9	50.0	245,000
CB0506	49	100	6	34.1	167,090	CB0506	49	100	9	50.0	245,000
CB0507	49	100	-	1.0	4,900	CB0507	49	100	9	50.0	245,000

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
-	-	-	-	-	-	CB0508	49	100	-	1.0	4,900
CB0601	49	100	7	39.4	193,060	CB0601	49	100	6	34.1	167,090
CB0602	49	100	15	81.8	400,820	CB0602	49	100	10	55.3	270,970
CB0603	49	100	7	39.4	193,060	CB0603	49	100	10	55.3	270,970
CB0604	49	100	7	39.4	193,060	CB0604	49	100	17	92.4	452,760
CB0605	49	100	7	39.4	193,060	CB0605	49	100	7	39.4	193,060
CB0606	49	100	6	34.1	167,090	CB0606	49	100	-	1.0	4,900
CB0607	49	100	-	1.0	4,900	-	-	-	-	-	-
CB0701	49	100	24	129.5	634,550	CB0701	49	100	22	118.9	582,610
CB0702	49	100	8	44.7	219,030	CB0702	49	100	8	44.7	219,030
CB0703	49	100	8	44.7	219,030	CB0703	49	100	7	39.4	193,060
CB0704	49	100	11	60.6	296,940	CB0704	49	100	7	39.4	193,060
CB0705	49	100	-	1.0	4,900	CB0705	49	100	6	34.1	167,090
-	-	-	-	-	-	CB0706	49	100	-	1.0	4,900
CB0801	49	100	25	134.8	660,520	CB0801	49	100	22	118.9	582,610
CB0802	49	100	28	150.7	738,430	CB0802	49	100	8	44.7	219,030
CB0803	49	100	-	1.0	4,900	CB0803	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0804	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0805	49	100	6	34.1	167,090
-	-	-	-	-	-	CB0806	49	100	-	1.0	4,900
CB0901	49	100	25	134.8	660,520	CB0901	49	100	6	34.1	167,090
CB0902	49	100	28	150.7	738,430	CB0902	49	100	7	39.4	193,060
CB0903	49	100	-	1.0	4,900	CB0903	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0904	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0905	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0906	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0907	49	100	7	39.4	193,060
-	-	-	-	-	-	CB0908	49	100	-	1.0	4,900
CB1001	49	100	25	134.8	660,520	CB1001	49	100	6	34.1	167,090
CB1002	49	100	28	150.7	738,430	CB1002	49	100	7	39.4	193,060
CB1003	49	100	-	1.0	4,900	CB1003	49	100	7	39.4	193,060
-	-	-	-	-	-	CB1004	49	100	7	39.4	193,060
-	-	-	-	-	-	CB1005	49	100	7	39.4	193,060
-	-	-	-	-	-	CB1006	49	100	7	39.4	193,060
-	-	-	-	-	-	CB1007	49	100	7	39.4	193,060
-	-	-	-	-	-	CB1008	49	100	-	1.0	4,900
CC0101	49	100	9	50.0	245,000	CC0101	49	100	5	28.8	141,120
CC0102	49	100	4	23.5	115,150	CC0102	49	100	5	28.8	141,120
CC0103	49	100	6	34.1	167,090	CC0103	49	100	5	28.8	141,120
CC0104	49	100	3	18.2	89,180	CC0104	49	100	5	28.8	141,120
CC0105	49	100	3	18.2	89,180	CC0105	49	100	5	28.8	141,120
CC0106	49	100	4	23.5	115,150	CC0106	49	100	5	28.8	141,120
CC0107	49	100	5	28.8	141,120	CC0107	49	100	5	28.8	141,120
CC0108	49	100	6	34.1	167,090	CC0108	49	100	5	28.8	141,120
CC0109	49	100	6	34.1	167,090	CC0109	49	100	6	34.1	167,090
CC0110	49	100	-	1.0	4,900	CC0110	49	100	-	1.0	4,900
CC0201	49	100	12	65.9	322,910	CC0201	49	100	5	28.8	141,120
CC0202	49	100	10	55.3	270,970	CC0202	49	100	5	28.8	141,120
CC0203	49	100	10	55.3	270,970	CC0203	49	100	5	28.8	141,120
CC0204	49	100	6	34.1	167,090	CC0204	49	100	5	28.8	141,120
CC0205	49	100	5	28.8	141,120	CC0205	49	100	5	28.8	141,120
CC0206	49	100	6	34.1	167,090	CC0206	49	100	5	28.8	141,120
CC0207	49	100	-	1.0	4,900	CC0207	49	100	5	28.8	141,120
-	-	-	-	-	-	CC0208	49	100	5	28.8	141,120
-	-	-	-	-	-	CC0209	49	100	6	34.1	167,090
-	-	-	-	-	-	CC0210	49	100	-	1.0	4,900
CC0301	49	100	12	65.9	322,910	CC0301	49	100	5	28.8	141,120
CC0302	49	100	7	39.4	193,060	CC0302	49	100	5	28.8	141,120
CC0303	49	100	3	18.2	89,180	CC0303	49	100	5	28.8	141,120
CC0304	49	100	2	12.9	63,210	CC0304	49	100	5	28.8	141,120
CC0305	49	100	6	34.1	167,090	CC0305	49	100	5	28.8	141,120

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CC0306	49	100	6	34.1	167,090	CC0306	49	100	5	28.8	141,120
CC0307	49	100	5	28.8	141,120	CC0307	49	100	5	28.8	141,120
CC0308	49	100	6	34.1	167,090	CC0308	49	100	5	28.8	141,120
CC0309	49	100	-	1.0	4,900	CC0309	49	100	6	34.1	167,090
-	-	-	-	-	-	CC0310	49	100	-	1.0	4,900
CC0401	49	100	5	28.8	141,120	CC0401	49	100	5	28.8	141,120
CC0402	49	100	5	28.8	141,120	CC0402	49	100	5	28.8	141,120
CC0403	49	100	5	28.8	141,120	CC0403	49	100	5	28.8	141,120
CC0404	49	100	5	28.8	141,120	CC0404	49	100	5	28.8	141,120
CC0405	49	100	5	28.8	141,120	CC0405	49	100	5	28.8	141,120
CC0406	49	100	5	28.8	141,120	CC0406	49	100	5	28.8	141,120
CC0407	49	100	5	28.8	141,120	CC0407	49	100	5	28.8	141,120
CC0408	49	100	5	28.8	141,120	CC0408	49	100	5	28.8	141,120
CC0409	49	100	6	34.1	167,090	CC0409	49	100	6	34.1	167,090
CC0410	49	100	-	1.0	4,900	CC0410	49	100	-	1.0	4,900
CC0501	49	100	5	28.8	141,120	CC0501	49	100	5	28.8	141,120
CC0502	49	100	5	28.8	141,120	CC0502	49	100	5	28.8	141,120
CC0503	49	100	5	28.8	141,120	CC0503	49	100	5	28.8	141,120
CC0504	49	100	5	28.8	141,120	CC0504	49	100	5	28.8	141,120
CC0505	49	100	5	28.8	141,120	CC0505	49	100	5	28.8	141,120
CC0506	49	100	5	28.8	141,120	CC0506	49	100	5	28.8	141,120
CC0507	49	100	5	28.8	141,120	CC0507	49	100	5	28.8	141,120
CC0508	49	100	5	28.8	141,120	CC0508	49	100	5	28.8	141,120
CC0509	49	100	6	34.1	167,090	CC0509	49	100	6	34.1	167,090
CC0510	49	100	-	1.0	4,900	CC0510	49	100	-	1.0	4,900
CC0601	49	100	5	28.8	141,120	CC0601	49	100	5	28.8	141,120
CC0602	49	100	5	28.8	141,120	CC0602	49	100	5	28.8	141,120
CC0603	49	100	5	28.8	141,120	CC0603	49	100	5	28.8	141,120
CC0604	49	100	5	28.8	141,120	CC0604	49	100	5	28.8	141,120
CC0605	49	100	5	28.8	141,120	CC0605	49	100	5	28.8	141,120
CC0606	49	100	5	28.8	141,120	CC0606	49	100	5	28.8	141,120
CC0607	49	100	5	28.8	141,120	CC0607	49	100	5	28.8	141,120
CC0608	49	100	5	28.8	141,120	CC0608	49	100	5	28.8	141,120
CC0609	49	100	6	34.1	167,090	CC0609	49	100	6	34.1	167,090
CC0610	49	100	-	1.0	4,900	CC0610	49	100	-	1.0	4,900
CC0701	49	100	5	28.8	141,120	CC0701	49	100	5	28.8	141,120
CC0702	49	100	5	28.8	141,120	CC0702	49	100	5	28.8	141,120
CC0703	49	100	5	28.8	141,120	CC0703	49	100	5	28.8	141,120
CC0704	49	100	5	28.8	141,120	CC0704	49	100	5	28.8	141,120
CC0705	49	100	5	28.8	141,120	CC0705	49	100	5	28.8	141,120
CC0706	49	100	5	28.8	141,120	CC0706	49	100	5	28.8	141,120
CC0707	49	100	5	28.8	141,120	CC0707	49	100	5	28.8	141,120
CC0708	49	100	5	28.8	141,120	CC0708	49	100	5	28.8	141,120
CC0709	49	100	6	34.1	167,090	CC0709	49	100	6	34.1	167,090
CC0710	49	100	-	1.0	4,900	CC0710	49	100	-	1.0	4,900
CC0801	49	100	5	28.8	141,120	CC0801	49	100	5	28.8	141,120
CC0802	49	100	5	28.8	141,120	CC0802	49	100	9	50.0	245,000
CC0803	49	100	5	28.8	141,120	CC0803	49	100	2	12.9	63,210
CC0804	49	100	5	28.8	141,120	CC0804	49	100	5	28.8	141,120
CC0805	49	100	5	28.8	141,120	CC0805	49	100	5	28.8	141,120
CC0806	49	100	5	28.8	141,120	CC0806	49	100	5	28.8	141,120
CC0807	49	100	5	28.8	141,120	CC0807	49	100	5	28.8	141,120
CC0808	49	100	5	28.8	141,120	CC0808	49	100	5	28.8	141,120
CC0809	49	100	6	34.1	167,090	CC0809	49	100	5	28.8	141,120
CC0810	49	100	-	1.0	4,900	CC0810	49	100	-	1.0	4,900
CC0901	49	100	5	28.8	141,120	CC0901	49	100	5	28.8	141,120
CC0902	49	100	5	28.8	141,120	CC0902	49	100	5	28.8	141,120
CC0903	49	100	5	28.8	141,120	CC0903	49	100	5	28.8	141,120
CC0904	49	100	5	28.8	141,120	CC0904	49	100	6	34.1	167,090
CC0905	49	100	5	28.8	141,120	CC0905	49	100	6	34.1	167,090
CC0906	49	100	5	28.8	141,120	CC0906	49	100	5	28.8	141,120

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CC0907	49	100	5	28.8	141,120	CC0907	49	100	5	28.8	141,120
CC0908	49	100	5	28.8	141,120	CC0908	49	100	10	55.3	270,970
CC0909	49	100	6	34.1	167,090	CC0909	49	100	-	1.0	4,900
CC0910	49	100	-	1.0	4,900	-	-	-	-	-	-
CC1001	49	100	5	28.8	141,120	CC1001	49	100	7	39.4	193,060
CC1002	49	100	5	28.8	141,120	CC1002	49	100	7	39.4	193,060
CC1003	49	100	5	28.8	141,120	CC1003	49	100	7	39.4	193,060
CC1004	49	100	5	28.8	141,120	CC1004	49	100	7	39.4	193,060
CC1005	49	100	5	28.8	141,120	CC1005	49	100	7	39.4	193,060
CC1006	49	100	5	28.8	141,120	CC1006	49	100	14	76.5	374,850
CC1007	49	100	5	28.8	141,120	CC1007	49	100	-	1.0	4,900
CC1008	49	100	5	28.8	141,120	-	-	-	-	-	-
CC1009	49	100	6	34.1	167,090	-	-	-	-	-	-
CC1010	49	100	-	1.0	4,900	-	-	-	-	-	-
CD0101	49	100	20	108.3	530,670	CD0101	49	100	6	34.1	167,090
CD0102	49	100	9	50.0	245,000	CD0102	49	100	5	28.8	141,120
CD0103	49	100	6	34.1	167,090	CD0103	49	100	5	28.8	141,120
CD0104	49	100	7	39.4	193,060	CD0104	49	100	5	28.8	141,120
CD0105	49	100	8	44.7	219,030	CD0105	49	100	5	28.8	141,120
CD0106	49	100	-	1.0	4,900	CD0106	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0107	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0108	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0109	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0110	49	100	-	1.0	4,900
CD0201	49	100	22	118.9	582,610	CD0201	49	100	6	34.1	167,090
CD0202	49	100	7	39.4	193,060	CD0202	49	100	5	28.8	141,120
CD0203	49	100	7	39.4	193,060	CD0203	49	100	5	28.8	141,120
CD0204	49	100	7	39.4	193,060	CD0204	49	100	5	28.8	141,120
CD0205	49	100	7	39.4	193,060	CD0205	49	100	5	28.8	141,120
CD0206	49	100	-	1.0	4,900	CD0206	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0207	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0208	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0209	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0210	49	100	-	1.0	4,900
CD0301	49	100	6	34.1	167,090	CD0301	49	100	22	118.9	582,610
CD0302	49	100	7	39.4	193,060	CD0302	49	100	5	28.8	141,120
CD0303	49	100	7	39.4	193,060	CD0303	49	100	5	28.8	141,120
CD0304	49	100	7	39.4	193,060	CD0304	49	100	6	34.1	167,090
CD0305	49	100	7	39.4	193,060	CD0305	49	100	5	28.8	141,120
CD0306	49	100	9	50.0	245,000	CD0306	49	100	6	34.1	167,090
CD0307	49	100	5	28.8	141,120	CD0307	49	100	-	1.0	4,900
CD0308	49	100	-	1.0	4,900	-	-	-	-	-	-
CD0401	49	100	5	28.8	141,120	CD0401	49	100	22	118.9	582,610
CD0402	49	100	5	28.8	141,120	CD0402	49	100	7	39.4	193,060
CD0403	49	100	5	28.8	141,120	CD0403	49	100	7	39.4	193,060
CD0404	49	100	5	28.8	141,120	CD0404	49	100	7	39.4	193,060
CD0405	49	100	5	28.8	141,120	CD0405	49	100	7	39.4	193,060
CD0406	49	100	5	28.8	141,120	CD0406	49	100	-	1.0	4,900
CD0407	49	100	5	28.8	141,120	-	-	-	-	-	-
CD0408	49	100	6	34.1	167,090	-	-	-	-	-	-
CD0409	49	100	5	28.8	141,120	-	-	-	-	-	-
CD0410	49	100	-	1.0	4,900	-	-	-	-	-	-
CD0501	49	100	5	28.8	141,120	CD0501	49	100	7	39.4	193,060
CD0502	49	100	5	28.8	141,120	CD0502	49	100	7	39.4	193,060
CD0503	49	100	5	28.8	141,120	CD0503	49	100	7	39.4	193,060
CD0504	49	100	5	28.8	141,120	CD0504	49	100	7	39.4	193,060
CD0505	49	100	5	28.8	141,120	CD0505	49	100	7	39.4	193,060
CD0506	49	100	5	28.8	141,120	CD0506	49	100	6	34.1	167,090
CD0507	49	100	5	28.8	141,120	CD0507	49	100	7	39.4	193,060
CD0508	49	100	6	34.1	167,090	CD0508	49	100	-	1.0	4,900
CD0509	49	100	5	28.8	141,120	-	-	-	-	-	-

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CD0510	49	100	-	1.0	4,900	-	-	-	-	-	-
CD0601	49	100	5	28.8	141,120	CD0601	49	100	7	39.4	193,060
CD0602	49	100	5	28.8	141,120	CD0602	49	100	7	39.4	193,060
CD0603	49	100	5	28.8	141,120	CD0603	49	100	7	39.4	193,060
CD0604	49	100	5	28.8	141,120	CD0604	49	100	5	28.8	141,120
CD0605	49	100	5	28.8	141,120	CD0605	49	100	5	28.8	141,120
CD0606	49	100	5	28.8	141,120	CD0606	49	100	5	28.8	141,120
CD0607	49	100	5	28.8	141,120	CD0607	49	100	6	34.1	167,090
CD0608	49	100	6	34.1	167,090	CD0608	49	100	5	28.8	141,120
CD0609	49	100	5	28.8	141,120	CD0609	49	100	-	1.0	4,900
CD0610	49	100	-	1.0	4,900	-	-	-	-	-	-
CD0701	49	100	19	103.0	504,700	CD0701	49	100	10	55.3	270,970
CD0702	49	100	13	71.2	348,880	CD0702	49	100	5	28.8	141,120
CD0703	49	100	13	71.2	348,880	CD0703	49	100	7	39.4	193,060
CD0704	49	100	6	34.1	167,090	CD0704	49	100	7	39.4	193,060
CD0705	49	100	-	1.0	4,900	CD0705	49	100	7	39.4	193,060
-	-	-	-	-	-	CD0706	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0707	49	100	7	39.4	193,060
-	-	-	-	-	-	CD0708	49	100	-	1.0	4,900
CD0801	49	100	11	60.6	296,940	CD0801	49	100	5	28.8	141,120
CD0802	49	100	19	103.0	504,700	CD0802	49	100	6	34.1	167,090
CD0803	49	100	9	50.0	245,000	CD0803	49	100	5	28.8	141,120
CD0804	49	100	12	65.9	322,910	CD0804	49	100	5	28.8	141,120
CD0805	49	100	-	1.0	4,900	CD0805	49	100	5	28.8	141,120
-	-	-	-	-	-	CD0806	49	100	11	60.6	296,940
-	-	-	-	-	-	CD0807	49	100	11	60.6	296,940
-	-	-	-	-	-	CD0808	49	100	-	1.0	4,900
CD0901	49	100	5	28.8	141,120	CD0901	49	100	7	39.4	193,060
CD0902	49	100	5	28.8	141,120	CD0902	49	100	7	39.4	193,060
CD0903	49	100	5	28.8	141,120	CD0903	49	100	21	113.6	556,640
CD0904	49	100	5	28.8	141,120	CD0904	49	100	16	87.1	426,790
CD0905	49	100	5	28.8	141,120	CD0905	49	100	-	1.0	4,900
CD0906	49	100	5	28.8	141,120	-	-	-	-	-	-
CD0907	49	100	18	97.7	478,730	-	-	-	-	-	-
CD0908	49	100	-	1.0	4,900	-	-	-	-	-	-
CD1001	49	100	5	28.8	141,120	CD1001	49	100	5	28.8	141,120
CD1002	49	100	5	28.8	141,120	CD1002	49	100	5	28.8	141,120
CD1003	49	100	5	28.8	141,120	CD1003	49	100	5	28.8	141,120
CD1004	49	100	5	28.8	141,120	CD1004	49	100	5	28.8	141,120
CD1005	49	100	5	28.8	141,120	CD1005	49	100	7	39.4	193,060
CD1006	49	100	5	28.8	141,120	CD1006	49	100	7	39.4	193,060
CD1007	49	100	5	28.8	141,120	CD1007	49	100	5	28.8	141,120
CD1008	49	100	5	28.8	141,120	CD1008	49	100	8	44.7	219,030
CD1009	49	100	6	34.1	167,090	CD1009	49	100	-	1.0	4,900
CD1010	49	100	-	1.0	4,900	-	-	-	-	-	-
CE0101	49	100	7	39.4	193,060	CE0101	49	100	25	134.8	660,520
CE0102	49	100	5	28.8	141,120	CE0102	49	100	14	76.5	374,850
CE0103	49	100	5	28.8	141,120	CE0103	49	100	13	71.2	348,880
CE0104	49	100	7	39.4	193,060	CE0104	49	100	-	1.0	4,900
CE0105	49	100	7	39.4	193,060	-	-	-	-	-	-
CE0106	49	100	6	34.1	167,090	-	-	-	-	-	-
CE0107	49	100	11	60.6	296,940	-	-	-	-	-	-
CE0108	49	100	-	1.0	4,900	-	-	-	-	-	-
CE0201	49	100	5	28.8	141,120	CE0201	49	100	25	134.8	660,520
CE0202	49	100	5	28.8	141,120	CE0202	49	100	14	76.5	374,850
CE0203	49	100	5	28.8	141,120	CE0203	49	100	13	71.2	348,880
CE0204	49	100	5	28.8	141,120	CE0204	49	100	-	1.0	4,900
CE0205	49	100	7	39.4	193,060	-	-	-	-	-	-
CE0206	49	100	7	39.4	193,060	-	-	-	-	-	-
CE0207	49	100	14	76.5	374,850	-	-	-	-	-	-
CE0208	49	100	-	1.0	4,900	-	-	-	-	-	-

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CE0301	49	100	7	39.4	193,060	CE0301	49	100	25	134.8	660,520
CE0302	49	100	7	39.4	193,060	CE0302	49	100	5	28.8	141,120
CE0303	49	100	7	39.4	193,060	CE0303	49	100	6	34.1	167,090
CE0304	49	100	7	39.4	193,060	CE0304	49	100	15	81.8	400,820
CE0305	49	100	22	118.9	582,610	CE0305	49	100	-	1.0	4,900
CE0306	49	100	-	1.0	4,900	-	-	-	-	-	-
CE0401	49	100	7	39.4	193,060	CE0401	49	100	8	44.7	219,030
CE0402	49	100	7	39.4	193,060	CE0402	49	100	6	34.1	167,090
CE0403	49	100	7	39.4	193,060	CE0403	49	100	6	34.1	167,090
CE0404	49	100	7	39.4	193,060	CE0404	49	100	5	28.8	141,120
CE0405	49	100	22	118.9	582,610	CE0405	49	100	7	39.4	193,060
CE0406	49	100	-	1.0	4,900	CE0406	49	100	5	28.8	141,120
-	-	-	-	-	-	CE0407	49	100	5	28.8	141,120
-	-	-	-	-	-	CE0408	49	100	5	28.8	141,120
-	-	-	-	-	-	CE0409	49	100	-	1.0	4,900
CE0501	49	100	7	39.4	193,060	CE0501	49	100	7	39.4	193,060
CE0502	49	100	7	39.4	193,060	CE0502	49	100	5	28.8	141,120
CE0503	49	100	7	39.4	193,060	CE0503	49	100	5	28.8	141,120
CE0504	49	100	7	39.4	193,060	CE0504	49	100	5	28.8	141,120
CE0505	49	100	22	118.9	582,610	CE0505	49	100	7	39.4	193,060
CE0506	49	100	-	1.0	4,900	CE0506	49	100	11	60.6	296,940
-	-	-	-	-	-	CE0507	49	100	8	44.7	219,030
-	-	-	-	-	-	CE0508	49	100	-	1.0	4,900
CE0601	49	100	7	39.4	193,060	CE0601	49	100	5	28.8	141,120
CE0602	49	100	7	39.4	193,060	CE0602	49	100	5	28.8	141,120
CE0603	49	100	7	39.4	193,060	CE0603	49	100	7	39.4	193,060
CE0604	49	100	7	39.4	193,060	CE0604	49	100	5	28.8	141,120
CE0605	49	100	22	118.9	582,610	CE0605	49	100	5	28.8	141,120
CE0606	49	100	-	1.0	4,900	CE0606	49	100	7	39.4	193,060
-	-	-	-	-	-	CE0607	49	100	14	76.5	374,850
-	-	-	-	-	-	CE0608	49	100	-	1.0	4,900
CE0701	49	100	7	39.4	193,060	CE0701	49	100	7	39.4	193,060
CE0702	49	100	7	39.4	193,060	CE0702	49	100	7	39.4	193,060
CE0703	49	100	7	39.4	193,060	CE0703	49	100	7	39.4	193,060
CE0704	49	100	7	39.4	193,060	CE0704	49	100	7	39.4	193,060
CE0705	49	100	22	118.9	582,610	CE0705	49	100	22	118.9	582,610
CE0706	49	100	-	1.0	4,900	CE0706	49	100	-	1.0	4,900
CE0801	49	100	7	39.4	193,060	CE0801	49	100	9	50.0	245,000
CE0802	49	100	7	39.4	193,060	CE0802	49	100	8	44.7	219,030
CE0803	49	100	7	39.4	193,060	CE0803	49	100	8	44.7	219,030
CE0804	49	100	5	28.8	141,120	CE0804	49	100	7	39.4	193,060
CE0805	49	100	5	28.8	141,120	CE0805	49	100	18	97.7	478,730
CE0806	49	100	18	97.7	478,730	CE0806	49	100	-	1.0	4,900
CE0807	49	100	-	1.0	4,900	-	-	-	-	-	-
CE0901	49	100	7	39.4	193,060	CE0901	49	100	12	65.9	322,910
CE0902	49	100	7	39.4	193,060	CE0902	49	100	12	65.9	322,910
CE0903	49	100	7	39.4	193,060	CE0903	49	100	5	28.8	141,120
CE0904	49	100	7	39.4	193,060	CE0904	49	100	5	28.8	141,120
CE0905	49	100	7	39.4	193,060	CE0905	49	100	7	39.4	193,060
CE0906	49	100	14	76.5	374,850	CE0906	49	100	8	44.7	219,030
CE0907	49	100	-	1.0	4,900	CE0907	49	100	-	1.0	4,900
CE1001	49	100	5	28.8	141,120	CE1001	49	100	6	34.1	167,090
CE1002	49	100	5	28.8	141,120	CE1002	49	100	7	39.4	193,060
CE1003	49	100	5	28.8	141,120	CE1003	49	100	7	39.4	193,060
CE1004	49	100	5	28.8	141,120	CE1004	49	100	7	39.4	193,060
CE1005	49	100	5	28.8	141,120	CE1005	49	100	7	39.4	193,060
CE1006	49	100	5	28.8	141,120	CE1006	49	100	7	39.4	193,060
CE1007	49	100	11	60.6	296,940	CE1007	49	100	7	39.4	193,060
CE1008	49	100	6	34.1	167,090	CE1008	49	100	-	1.0	4,900
CE1009	49	100	-	1.0	4,900	-	-	-	-	-	-
CF0101	49	100	29	156.0	764,400	CF0101	49	100	6	34.1	167,090

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CF0102	49	100	5	28.8	141,120	CF0102	49	100	6	34.1	167,090
CF0103	49	100	5	28.8	141,120	CF0103	49	100	6	34.1	167,090
CF0104	49	100	5	28.8	141,120	CF0104	49	100	6	34.1	167,090
CF0105	49	100	6	34.1	167,090	CF0105	49	100	6	34.1	167,090
CF0106	49	100	-	1.0	4,900	CF0106	49	100	6	34.1	167,090
-	-	-	-	-	-	CF0107	49	100	6	34.1	167,090
-	-	-	-	-	-	CF0108	49	100	5	28.8	141,120
-	-	-	-	-	-	CF0109	49	100	-	1.0	4,900
CF0201	49	100	23	124.2	608,580	CF0201	49	100	6	34.1	167,090
CF0202	49	100	5	28.8	141,120	CF0202	49	100	6	34.1	167,090
CF0203	49	100	9	50.0	245,000	CF0203	49	100	6	34.1	167,090
CF0204	49	100	7	39.4	193,060	CF0204	49	100	6	34.1	167,090
CF0205	49	100	6	34.1	167,090	CF0205	49	100	6	34.1	167,090
CF0206	49	100	-	1.0	4,900	CF0206	49	100	6	34.1	167,090
-	-	-	-	-	-	CF0207	49	100	6	34.1	167,090
-	-	-	-	-	-	CF0208	49	100	5	28.8	141,120
-	-	-	-	-	-	CF0209	49	100	-	1.0	4,900
CF0301	49	100	17	92.4	452,760	CF0301	49	100	6	34.1	167,090
CF0302	49	100	5	28.8	141,120	CF0302	49	100	6	34.1	167,090
CF0303	49	100	5	28.8	141,120	CF0303	49	100	6	34.1	167,090
CF0304	49	100	5	28.8	141,120	CF0304	49	100	6	34.1	167,090
CF0305	49	100	5	28.8	141,120	CF0305	49	100	6	34.1	167,090
CF0306	49	100	5	28.8	141,120	CF0306	49	100	6	34.1	167,090
CF0307	49	100	6	34.1	167,090	CF0307	49	100	6	34.1	167,090
CF0308	49	100	-	1.0	4,900	CF0308	49	100	5	28.8	141,120
-	-	-	-	-	-	CF0309	49	100	-	1.0	4,900
CF0401	49	100	5	28.8	141,120	CF0401	49	100	6	34.1	167,090
CF0402	49	100	5	28.8	141,120	CF0402	49	100	6	34.1	167,090
CF0403	49	100	5	28.8	141,120	CF0403	49	100	6	34.1	167,090
CF0404	49	100	5	28.8	141,120	CF0404	49	100	6	34.1	167,090
CF0405	49	100	5	28.8	141,120	CF0405	49	100	6	34.1	167,090
CF0406	49	100	5	28.8	141,120	CF0406	49	100	6	34.1	167,090
CF0407	49	100	5	28.8	141,120	CF0407	49	100	6	34.1	167,090
CF0408	49	100	5	28.8	141,120	CF0408	49	100	5	28.8	141,120
CF0409	49	100	6	34.1	167,090	CF0409	49	100	-	1.0	4,900
CF0410	49	100	-	1.0	4,900	-	-	-	-	-	-
CF0501	49	100	7	39.4	193,060	CF0501	49	100	6	34.1	167,090
CF0502	49	100	5	28.8	141,120	CF0502	49	100	5	28.8	141,120
CF0503	49	100	9	50.0	245,000	CF0503	49	100	5	28.8	141,120
CF0504	49	100	5	28.8	141,120	CF0504	49	100	5	28.8	141,120
CF0505	49	100	5	28.8	141,120	CF0505	49	100	5	28.8	141,120
CF0506	49	100	11	60.6	296,940	CF0506	49	100	5	28.8	141,120
CF0507	49	100	6	34.1	167,090	CF0507	49	100	5	28.8	141,120
CF0508	49	100	-	1.0	4,900	CF0508	49	100	6	34.1	167,090
-	-	-	-	-	-	CF0509	49	100	4	23.5	115,150
-	-	-	-	-	-	CF0510	49	100	-	1.0	4,900
CF0601	49	100	7	39.4	193,060	CF0601	49	100	6	34.1	167,090
CF0602	49	100	7	39.4	193,060	CF0602	49	100	6	34.1	167,090
CF0603	49	100	7	39.4	193,060	CF0603	49	100	5	28.8	141,120
CF0604	49	100	7	39.4	193,060	CF0604	49	100	4	23.5	115,150
CF0605	49	100	22	118.9	582,610	CF0605	49	100	6	34.1	167,090
CF0606	49	100	-	1.0	4,900	CF0606	49	100	5	28.8	141,120
-	-	-	-	-	-	CF0607	49	100	4	23.5	115,150
-	-	-	-	-	-	CF0608	49	100	6	34.1	167,090
-	-	-	-	-	-	CF0609	49	100	4	23.5	115,150
-	-	-	-	-	-	CF0610	49	100	-	1.0	4,900
CF0701	49	100	7	39.4	193,060	CF0701	49	100	7	39.4	193,060
CF0702	49	100	5	28.8	141,120	CF0702	49	100	7	39.4	193,060
CF0703	49	100	7	39.4	193,060	CF0703	49	100	6	34.1	167,090
CF0704	49	100	7	39.4	193,060	CF0704	49	100	15	81.8	400,820
CF0705	49	100	9	50.0	245,000	CF0705	49	100	15	81.8	400,820

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CF0706	49	100	7	39.4	193,060	CF0706	49	100	-	1.0	4,900
CF0707	49	100	6	34.1	167,090	-	-	-	-	-	-
CF0708	49	100	-	1.0	4,900	-	-	-	-	-	-
CF0801	49	100	7	39.4	193,060	CF0801	49	100	7	39.4	193,060
CF0802	49	100	6	34.1	167,090	CF0802	49	100	7	39.4	193,060
CF0803	49	100	6	34.1	167,090	CF0803	49	100	5	28.8	141,120
CF0804	49	100	5	28.8	141,120	CF0804	49	100	5	28.8	141,120
CF0805	49	100	4	23.5	115,150	CF0805	49	100	8	44.7	219,030
CF0806	49	100	7	39.4	193,060	CF0806	49	100	17	92.4	452,760
CF0807	49	100	6	34.1	167,090	CF0807	49	100	-	1.0	4,900
CF0808	49	100	6	34.1	167,090	-	-	-	-	-	-
CF0809	49	100	-	1.0	4,900	-	-	-	-	-	-
CF0901	49	100	21	113.6	556,640	CF0901	49	100	18	97.7	478,730
CF0902	49	100	11	60.6	296,940	CF0902	49	100	17	92.4	452,760
CF0903	49	100	6	34.1	167,090	CF0903	49	100	5	28.8	141,120
CF0904	49	100	13	71.2	348,880	CF0904	49	100	5	28.8	141,120
CF0905	49	100	-	1.0	4,900	CF0905	49	100	5	28.8	141,120
-	-	-	-	-	-	CF0906	49	100	-	1.0	4,900
CF1001	49	100	13	71.2	348,880	CF1001	49	100	10	55.3	270,970
CF1002	49	100	13	71.2	348,880	CF1002	49	100	7	39.4	193,060
CF1003	49	100	6	34.1	167,090	CF1003	49	100	7	39.4	193,060
CF1004	49	100	5	28.8	141,120	CF1004	49	100	7	39.4	193,060
CF1005	49	100	6	34.1	167,090	CF1005	49	100	6	34.1	167,090
CF1006	49	100	6	34.1	167,090	CF1006	49	100	5	28.8	141,120
CF1007	49	100	-	1.0	4,900	CF1007	49	100	6	34.1	167,090
-	-	-	-	-	-	CF1008	49	100	-	1.0	4,900
CG0101	49	100	7	39.4	193,060	CG0101	49	100	6	34.1	167,090
CG0102	49	100	7	39.4	193,060	CG0102	49	100	6	34.1	167,090
CG0103	49	100	7	39.4	193,060	CG0103	49	100	6	34.1	167,090
CG0104	49	100	7	39.4	193,060	CG0104	49	100	7	39.4	193,060
CG0105	49	100	7	39.4	193,060	CG0105	49	100	7	39.4	193,060
CG0106	49	100	7	39.4	193,060	CG0106	49	100	7	39.4	193,060
CG0107	49	100	6	34.1	167,090	CG0107	49	100	9	50.0	245,000
CG0108	49	100	-	1.0	4,900	CG0108	49	100	-	1.0	4,900
CG0201	49	100	5	28.8	141,120	CG0201	49	100	12	65.9	322,910
CG0202	49	100	5	28.8	141,120	CG0202	49	100	7	39.4	193,060
CG0203	49	100	5	28.8	141,120	CG0203	49	100	7	39.4	193,060
CG0204	49	100	5	28.8	141,120	CG0204	49	100	7	39.4	193,060
CG0205	49	100	5	28.8	141,120	CG0205	49	100	7	39.4	193,060
CG0206	49	100	5	28.8	141,120	CG0206	49	100	9	50.0	245,000
CG0207	49	100	5	28.8	141,120	CG0207	49	100	-	1.0	4,900
CG0208	49	100	5	28.8	141,120	-	-	-	-	-	-
CG0209	49	100	6	34.1	167,090	-	-	-	-	-	-
CG0210	49	100	-	1.0	4,900	-	-	-	-	-	-
CG0301	49	100	5	28.8	141,120	CG0301	49	100	12	65.9	322,910
CG0302	49	100	6	34.1	167,090	CG0302	49	100	7	39.4	193,060
CG0303	49	100	7	39.4	193,060	CG0303	49	100	7	39.4	193,060
CG0304	49	100	8	44.7	219,030	CG0304	49	100	7	39.4	193,060
CG0305	49	100	8	44.7	219,030	CG0305	49	100	8	44.7	219,030
CG0306	49	100	7	39.4	193,060	CG0306	49	100	8	44.7	219,030
CG0307	49	100	7	39.4	193,060	CG0307	49	100	-	1.0	4,900
CG0308	49	100	-	1.0	4,900	-	-	-	-	-	-
CG0401	49	100	7	39.4	193,060	CG0401	49	100	12	65.9	322,910
CG0402	49	100	7	39.4	193,060	CG0402	49	100	12	65.9	322,910
CG0403	49	100	5	28.8	141,120	CG0403	49	100	12	65.9	322,910
CG0404	49	100	5	28.8	141,120	CG0404	49	100	7	39.4	193,060
CG0405	49	100	12	65.9	322,910	CG0405	49	100	7	39.4	193,060
CG0406	49	100	13	71.2	348,880	CG0406	49	100	-	1.0	4,900
CG0407	49	100	-	1.0	4,900	-	-	-	-	-	-
CG0501	49	100	12	65.9	322,910	CG0501	49	100	6	34.1	167,090
CG0502	49	100	12	65.9	322,910	CG0502	49	100	6	34.1	167,090



Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CG0503	49	100	12	65.9	322,910	CG0503	49	100	6	34.1	167,090
CG0504	49	100	15	81.8	400,820	CG0504	49	100	6	34.1	167,090
CG0505	49	100	-	1.0	4,900	CG0505	49	100	6	34.1	167,090
-	-	-	-	-	-	CG0506	49	100	6	34.1	167,090
-	-	-	-	-	-	CG0507	49	100	12	65.9	322,910
-	-	-	-	-	-	CG0508	49	100	-	1.0	4,900
CG0601	49	100	12	65.9	322,910	CG0601	49	100	6	34.1	167,090
CG0602	49	100	12	65.9	322,910	CG0602	49	100	6	34.1	167,090
CG0603	49	100	5	28.8	141,120	CG0603	49	100	6	34.1	167,090
CG0604	49	100	5	28.8	141,120	CG0604	49	100	6	34.1	167,090
CG0605	49	100	7	39.4	193,060	CG0605	49	100	6	34.1	167,090
CG0606	49	100	8	44.7	219,030	CG0606	49	100	6	34.1	167,090
CG0607	49	100	-	1.0	4,900	CG0607	49	100	12	65.9	322,910
-	-	-	-	-	-	CG0608	49	100	-	1.0	4,900
CG0701	49	100	5	28.8	141,120	CG0701	49	100	6	34.1	167,090
CG0702	49	100	6	34.1	167,090	CG0702	49	100	6	34.1	167,090
CG0703	49	100	6	34.1	167,090	CG0703	49	100	6	34.1	167,090
CG0704	49	100	14	76.5	374,850	CG0704	49	100	6	34.1	167,090
CG0705	49	100	6	34.1	167,090	CG0705	49	100	6	34.1	167,090
CG0706	49	100	12	65.9	322,910	CG0706	49	100	6	34.1	167,090
CG0707	49	100	-	1.0	4,900	CG0707	49	100	12	65.9	322,910
-	-	-	-	-	-	CG0708	49	100	-	1.0	4,900
CG0801	49	100	5	28.8	141,120	CG0801	49	100	6	34.1	167,090
CG0802	49	100	5	28.8	141,120	CG0802	49	100	6	34.1	167,090
CG0803	49	100	5	28.8	141,120	CG0803	49	100	6	34.1	167,090
CG0804	49	100	5	28.8	141,120	CG0804	49	100	6	34.1	167,090
CG0805	49	100	7	39.4	193,060	CG0805	49	100	6	34.1	167,090
CG0806	49	100	6	34.1	167,090	CG0806	49	100	6	34.1	167,090
CG0807	49	100	8	44.7	219,030	CG0807	49	100	12	65.9	322,910
CG0808	49	100	6	34.1	167,090	CG0808	49	100	-	1.0	4,900
CG0809	49	100	-	1.0	4,900	-	-	-	-	-	-
CG0901	49	100	6	34.1	167,090	CG0901	49	100	6	34.1	167,090
CG0902	49	100	6	34.1	167,090	CG0902	49	100	6	34.1	167,090
CG0903	49	100	4	23.5	115,150	CG0903	49	100	6	34.1	167,090
CG0904	49	100	5	28.8	141,120	CG0904	49	100	6	34.1	167,090
CG0905	49	100	6	34.1	167,090	CG0905	49	100	6	34.1	167,090
CG0906	49	100	7	39.4	193,060	CG0906	49	100	6	34.1	167,090
CG0907	49	100	7	39.4	193,060	CG0907	49	100	12	65.9	322,910
CG0908	49	100	6	34.1	167,090	CG0908	49	100	-	1.0	4,900
CG0909	49	100	-	1.0	4,900	-	-	-	-	-	-
CG1001	49	100	5	28.8	141,120	CG1001	49	100	12	65.9	322,910
CG1002	49	100	5	28.8	141,120	CG1002	49	100	12	65.9	322,910
CG1003	49	100	5	28.8	141,120	CG1003	49	100	6	34.1	167,090
CG1004	49	100	5	28.8	141,120	CG1004	49	100	21	113.6	556,640
CG1005	49	100	7	39.4	193,060	CG1005	49	100	-	1.0	4,900
CG1006	49	100	7	39.4	193,060	-	-	-	-	-	-
CG1007	49	100	7	39.4	193,060	-	-	-	-	-	-
CG1008	49	100	6	34.1	167,090	-	-	-	-	-	-
CG1009	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0101	49	100	6	34.1	167,090	CH0101	49	100	25	134.8	660,520
CH0102	49	100	6	34.1	167,090	CH0102	49	100	13	71.2	348,880
CH0103	49	100	6	34.1	167,090	CH0103	49	100	7	39.4	193,060
CH0104	49	100	6	34.1	167,090	CH0104	49	100	6	34.1	167,090
CH0105	49	100	12	65.9	322,910	CH0105	49	100	-	1.0	4,900
CH0106	49	100	13	71.2	348,880	-	-	-	-	-	-
CH0107	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0201	49	100	6	34.1	167,090	CH0201	49	100	25	134.8	660,520
CH0202	49	100	6	34.1	167,090	CH0202	49	100	13	71.2	348,880
CH0203	49	100	6	34.1	167,090	CH0203	49	100	7	39.4	193,060
CH0204	49	100	6	34.1	167,090	CH0204	49	100	6	34.1	167,090
CH0205	49	100	12	65.9	322,910	CH0205	49	100	-	1.0	4,900

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CH0206	49	100	13	71.2	348,880	-	-	-	-	-	-
CH0207	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0301	49	100	7	39.4	193,060	CH0301	49	100	11	60.6	296,940
CH0302	49	100	7	39.4	193,060	CH0302	49	100	11	60.6	296,940
CH0303	49	100	7	39.4	193,060	CH0303	49	100	6	34.1	167,090
CH0304	49	100	7	39.4	193,060	CH0304	49	100	5	28.8	141,120
CH0305	49	100	7	39.4	193,060	CH0305	49	100	5	28.8	141,120
CH0306	49	100	14	76.5	374,850	CH0306	49	100	4	23.5	115,150
CH0307	49	100	-	1.0	4,900	CH0307	49	100	6	34.1	167,090
-	-	-	-	-	-	CH0308	49	100	-	1.0	4,900
CH0401	49	100	7	39.4	193,060	CH0401	49	100	14	76.5	374,850
CH0402	49	100	7	39.4	193,060	CH0402	49	100	14	76.5	374,850
CH0403	49	100	7	39.4	193,060	CH0403	49	100	8	44.7	219,030
CH0404	49	100	7	39.4	193,060	CH0404	49	100	7	39.4	193,060
CH0405	49	100	7	39.4	193,060	CH0405	49	100	7	39.4	193,060
CH0406	49	100	7	39.4	193,060	CH0406	49	100	-	1.0	4,900
CH0407	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0408	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0501	49	100	7	39.4	193,060	CH0501	49	100	14	76.5	374,850
CH0502	49	100	7	39.4	193,060	CH0502	49	100	14	76.5	374,850
CH0503	49	100	7	39.4	193,060	CH0503	49	100	8	44.7	219,030
CH0504	49	100	7	39.4	193,060	CH0504	49	100	8	44.7	219,030
CH0505	49	100	7	39.4	193,060	CH0505	49	100	6	34.1	167,090
CH0506	49	100	7	39.4	193,060	CH0506	49	100	-	1.0	4,900
CH0507	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0508	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0601	49	100	7	39.4	193,060	CH0601	49	100	14	76.5	374,850
CH0602	49	100	6	34.1	167,090	CH0602	49	100	14	76.5	374,850
CH0603	49	100	6	34.1	167,090	CH0603	49	100	5	28.8	141,120
CH0604	49	100	6	34.1	167,090	CH0604	49	100	5	28.8	141,120
CH0605	49	100	6	34.1	167,090	CH0605	49	100	5	28.8	141,120
CH0606	49	100	6	34.1	167,090	CH0606	49	100	6	34.1	167,090
CH0607	49	100	11	60.6	296,940	CH0607	49	100	-	1.0	4,900
CH0608	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0701	49	100	7	39.4	193,060	CH0701	49	100	17	92.4	452,760
CH0702	49	100	6	34.1	167,090	CH0702	49	100	9	50.0	245,000
CH0703	49	100	6	34.1	167,090	CH0703	49	100	4	23.5	115,150
CH0704	49	100	6	34.1	167,090	CH0704	49	100	14	76.5	374,850
CH0705	49	100	6	34.1	167,090	CH0705	49	100	6	34.1	167,090
CH0706	49	100	6	34.1	167,090	CH0706	49	100	-	1.0	4,900
CH0707	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0708	49	100	4	23.5	115,150	-	-	-	-	-	-
CH0709	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0801	49	100	6	34.1	167,090	CH0801	49	100	17	92.4	452,760
CH0802	49	100	6	34.1	167,090	CH0802	49	100	9	50.0	245,000
CH0803	49	100	6	34.1	167,090	CH0803	49	100	4	23.5	115,150
CH0804	49	100	6	34.1	167,090	CH0804	49	100	10	55.3	270,970
CH0805	49	100	6	34.1	167,090	CH0805	49	100	10	55.3	270,970
CH0806	49	100	6	34.1	167,090	CH0806	49	100	-	1.0	4,900
CH0807	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0808	49	100	5	28.8	141,120	-	-	-	-	-	-
CH0809	49	100	-	1.0	4,900	-	-	-	-	-	-
CH0901	49	100	6	34.1	167,090	CH0901	49	100	17	92.4	452,760
CH0902	49	100	6	34.1	167,090	CH0902	49	100	17	92.4	452,760
CH0903	49	100	6	34.1	167,090	CH0903	49	100	18	97.7	478,730
CH0904	49	100	6	34.1	167,090	CH0904	49	100	-	1.0	4,900
CH0905	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0906	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0907	49	100	6	34.1	167,090	-	-	-	-	-	-
CH0908	49	100	5	28.8	141,120	-	-	-	-	-	-
CH0909	49	100	-	1.0	4,900	-	-	-	-	-	-

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CH1001	49	100	13	71.2	348,880	CH1001	49	100	17	92.4	452,760
CH1002	49	100	7	39.4	193,060	CH1002	49	100	17	92.4	452,760
CH1003	49	100	9	50.0	245,000	CH1003	49	100	18	97.7	478,730
CH1004	49	100	7	39.4	193,060	CH1004	49	100	-	1.0	4,900
CH1005	49	100	7	39.4	193,060	-	-	-	-	-	-
CH1006	49	100	6	34.1	167,090	-	-	-	-	-	-
CH1007	49	100	-	1.0	4,900	-	-	-	-	-	-
CI0101	49	100	17	92.4	452,760	CI0101	49	100	13	71.2	348,880
CI0102	49	100	17	92.4	452,760	CI0102	49	100	13	71.2	348,880
CI0103	49	100	18	97.7	478,730	CI0103	49	100	13	71.2	348,880
CI0104	49	100	-	1.0	4,900	CI0104	49	100	12	65.9	322,910
-	-	-	-	-	-	CI0105	49	100	-	1.0	4,900
CI0201	49	100	6	34.1	167,090	CI0201	49	100	15	81.8	400,820
CI0202	49	100	6	34.1	167,090	CI0202	49	100	8	44.7	219,030
CI0203	49	100	6	34.1	167,090	CI0203	49	100	8	44.7	219,030
CI0204	49	100	6	34.1	167,090	CI0204	49	100	7	39.4	193,060
CI0205	49	100	5	28.8	141,120	CI0205	49	100	12	65.9	322,910
CI0206	49	100	10	55.3	270,970	CI0206	49	100	-	1.0	4,900
CI0207	49	100	9	50.0	245,000	-	-	-	-	-	-
CI0208	49	100	-	1.0	4,900	-	-	-	-	-	-
CI0301	49	100	6	34.1	167,090	CI0301	49	100	7	39.4	193,060
CI0302	49	100	6	34.1	167,090	CI0302	49	100	5	28.8	141,120
CI0303	49	100	6	34.1	167,090	CI0303	49	100	8	44.7	219,030
CI0304	49	100	6	34.1	167,090	CI0304	49	100	7	39.4	193,060
CI0305	49	100	6	34.1	167,090	CI0305	49	100	7	39.4	193,060
CI0306	49	100	9	50.0	245,000	CI0306	49	100	7	39.4	193,060
CI0307	49	100	9	50.0	245,000	CI0307	49	100	7	39.4	193,060
CI0308	49	100	-	1.0	4,900	CI0308	49	100	-	1.0	4,900
CI0401	49	100	6	34.1	167,090	CI0401	49	100	13	71.2	348,880
CI0402	49	100	6	34.1	167,090	CI0402	49	100	13	71.2	348,880
CI0403	49	100	6	34.1	167,090	CI0403	49	100	13	71.2	348,880
CI0404	49	100	6	34.1	167,090	CI0404	49	100	12	65.9	322,910
CI0405	49	100	6	34.1	167,090	CI0405	49	100	-	1.0	4,900
CI0406	49	100	6	34.1	167,090	-	-	-	-	-	-
CI0407	49	100	12	65.9	322,910	-	-	-	-	-	-
CI0408	49	100	-	1.0	4,900	-	-	-	-	-	-
CI0501	49	100	22	118.9	582,610	CI0501	49	100	13	71.2	348,880
CI0502	49	100	6	34.1	167,090	CI0502	49	100	13	71.2	348,880
CI0503	49	100	6	34.1	167,090	CI0503	49	100	13	71.2	348,880
CI0504	49	100	10	55.3	270,970	CI0504	49	100	12	65.9	322,910
CI0505	49	100	6	34.1	167,090	CI0505	49	100	-	1.0	4,900
CI0506	49	100	-	1.0	4,900	-	-	-	-	-	-
CI0601	49	100	6	34.1	167,090	CI0601	49	100	12	65.9	322,910
CI0602	49	100	6	34.1	167,090	CI0602	49	100	12	65.9	322,910
CI0603	49	100	6	34.1	167,090	CI0603	49	100	5	28.8	141,120
CI0604	49	100	5	28.8	141,120	CI0604	49	100	5	28.8	141,120
CI0605	49	100	27	145.4	712,460	CI0605	49	100	5	28.8	141,120
CI0606	49	100	-	1.0	4,900	CI0606	49	100	5	28.8	141,120
-	-	-	-	-	-	CI0607	49	100	4	23.5	115,150
-	-	-	-	-	-	CI0608	49	100	-	1.0	4,900
CI0701	49	100	6	34.1	167,090	CI0701	49	100	8	44.7	219,030
CI0702	49	100	6	34.1	167,090	CI0702	49	100	8	44.7	219,030
CI0703	49	100	6	34.1	167,090	CI0703	49	100	8	44.7	219,030
CI0704	49	100	4	23.5	115,150	CI0704	49	100	5	28.8	141,120
CI0705	49	100	6	34.1	167,090	CI0705	49	100	5	28.8	141,120
CI0706	49	100	6	34.1	167,090	CI0706	49	100	6	34.1	167,090
CI0707	49	100	7	39.4	193,060	CI0707	49	100	8	44.7	219,030
CI0708	49	100	6	34.1	167,090	CI0708	49	100	-	1.0	4,900
CI0709	49	100	-	1.0	4,900	-	-	-	-	-	-
CI0801	49	100	7	39.4	193,060	CI0801	49	100	6	34.1	167,090
CI0802	49	100	7	39.4	193,060	CI0802	49	100	9	50.0	245,000

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CI0803	49	100	24	129.5	634,550	CI0803	49	100	9	50.0	245,000
CI0804	49	100	6	34.1	167,090	CI0804	49	100	9	50.0	245,000
CI0805	49	100	6	34.1	167,090	CI0805	49	100	8	44.7	219,030
CI0806	49	100	-	1.0	4,900	CI0806	49	100	8	44.7	219,030
-	-	-	-	-	-	CI0807	49	100	-	1.0	4,900
CI0901	49	100	7	39.4	193,060	CI0901	49	100	9	50.0	245,000
CI0902	49	100	7	39.4	193,060	CI0902	49	100	9	50.0	245,000
CI0903	49	100	24	129.5	634,550	CI0903	49	100	9	50.0	245,000
CI0904	49	100	6	34.1	167,090	CI0904	49	100	9	50.0	245,000
CI0905	49	100	6	34.1	167,090	CI0905	49	100	7	39.4	193,060
CI0906	49	100	-	1.0	4,900	CI0906	49	100	6	34.1	167,090
-	-	-	-	-	-	CI0907	49	100	-	1.0	4,900
CI1001	49	100	5	28.8	141,120	CI1001	49	100	9	50.0	245,000
CI1002	49	100	7	39.4	193,060	CI1002	49	100	9	50.0	245,000
CI1003	49	100	6	34.1	167,090	CI1003	49	100	9	50.0	245,000
CI1004	49	100	8	44.7	219,030	CI1004	49	100	9	50.0	245,000
CI1005	49	100	9	50.0	245,000	CI1005	49	100	7	39.4	193,060
CI1006	49	100	7	39.4	193,060	CI1006	49	100	6	34.1	167,090
CI1007	49	100	6	34.1	167,090	CI1007	49	100	-	1.0	4,900
CI1008	49	100	-	1.0	4,900	-	-	-	-	-	-
CJ0101	49	100	20	108.3	530,670	CJ0101	49	100	21	113.6	556,640
CJ0102	49	100	9	50.0	245,000	CJ0102	49	100	21	113.6	556,640
CJ0103	49	100	6	34.1	167,090	CJ0103	49	100	10	55.3	270,970
CJ0104	49	100	8	44.7	219,030	CJ0104	49	100	-	1.0	4,900
CJ0105	49	100	7	39.4	193,060	-	-	-	-	-	-
CJ0106	49	100	-	1.0	4,900	-	-	-	-	-	-
CJ0201	49	100	13	71.2	348,880	CJ0201	49	100	21	113.6	556,640
CJ0202	49	100	19	103.0	504,700	CJ0202	49	100	21	113.6	556,640
CJ0203	49	100	10	55.3	270,970	CJ0203	49	100	10	55.3	270,970
CJ0204	49	100	9	50.0	245,000	CJ0204	49	100	-	1.0	4,900
CJ0205	49	100	-	1.0	4,900	-	-	-	-	-	-
CJ0301	49	100	13	71.2	348,880	CJ0301	49	100	21	113.6	556,640
CJ0302	49	100	13	71.2	348,880	CJ0302	49	100	21	113.6	556,640
CJ0303	49	100	16	87.1	426,790	CJ0303	49	100	10	55.3	270,970
CJ0304	49	100	9	50.0	245,000	CJ0304	49	100	-	1.0	4,900
CJ0305	49	100	-	1.0	4,900	-	-	-	-	-	-
CJ0401	49	100	24	129.2	633,080	CJ0401	49	100	6	34.1	167,090
CJ0402	49	100	7	39.4	193,060	CJ0402	49	100	15	81.8	400,820
CJ0403	49	100	7	39.4	193,060	CJ0403	49	100	15	81.8	400,820
CJ0404	49	100	14	76.5	374,850	CJ0404	49	100	15	81.8	400,820
CJ0405	49	100	-	1.0	4,900	CJ0405	49	100	-	1.0	4,900
CJ0501	49	100	24	129.2	633,080	CJ0501	49	100	6	34.1	167,090
CJ0502	49	100	7	39.4	193,060	CJ0502	49	100	15	81.8	400,820
CJ0503	49	100	7	39.4	193,060	CJ0503	49	100	15	81.8	400,820
CJ0504	49	100	7	39.4	193,060	CJ0504	49	100	15	81.8	400,820
CJ0505	49	100	6	34.1	167,090	CJ0505	49	100	-	1.0	4,900
CJ0506	49	100	-	1.0	4,900	-	-	-	-	-	-
CJ0601	49	100	24	129.2	633,080	CJ0601	49	100	8	44.7	219,030
CJ0602	49	100	7	39.4	193,060	CJ0602	49	100	8	44.7	219,030
CJ0603	49	100	7	39.4	193,060	CJ0603	49	100	8	44.7	219,030
CJ0604	49	100	14	76.5	374,850	CJ0604	49	100	9	50.0	245,000
CJ0605	49	100	-	1.0	4,900	CJ0605	49	100	9	50.0	245,000
-	-	-	-	-	-	CJ0606	49	100	7	39.4	193,060
-	-	-	-	-	-	CJ0607	49	100	-	1.0	4,900
CJ0701	49	100	24	129.2	633,080	CJ0701	49	100	7	39.4	193,060
CJ0702	49	100	7	39.4	193,060	CJ0702	49	100	7	39.4	193,060
CJ0703	49	100	7	39.4	193,060	CJ0703	49	100	7	39.4	193,060
CJ0704	49	100	14	76.5	374,850	CJ0704	49	100	6	34.1	167,090
CJ0705	49	100	-	1.0	4,900	CJ0705	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0706	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0707	49	100	5	28.8	141,120

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
-	-	-	-	-	-	CJ0708	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0709	49	100	-	1.0	4,900
CJ0801	49	100	24	129.2	633,080	CJ0801	49	100	15	81.8	400,820
CJ0802	49	100	7	39.4	193,060	CJ0802	49	100	7	39.4	193,060
CJ0803	49	100	7	39.4	193,060	CJ0803	49	100	6	34.1	167,090
CJ0804	49	100	14	76.5	374,850	CJ0804	49	100	5	28.8	141,120
CJ0805	49	100	-	1.0	4,900	CJ0805	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0806	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0807	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0808	49	100	-	1.0	4,900
CJ0901	49	100	24	129.2	633,080	CJ0901	49	100	15	81.8	400,820
CJ0902	49	100	7	39.4	193,060	CJ0902	49	100	6	34.1	167,090
CJ0903	49	100	7	39.4	193,060	CJ0903	49	100	6	34.1	167,090
CJ0904	49	100	14	76.5	374,850	CJ0904	49	100	6	34.1	167,090
CJ0905	49	100	-	1.0	4,900	CJ0905	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0906	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0907	49	100	5	28.8	141,120
-	-	-	-	-	-	CJ0908	49	100	-	1.0	4,900
CJ1001	49	100	24	129.2	633,080	CJ1001	49	100	15	81.8	400,820
CJ1002	49	100	7	39.4	193,060	CJ1002	49	100	9	50.0	245,000
CJ1003	49	100	7	39.4	193,060	CJ1003	49	100	7	39.4	193,060
CJ1004	49	100	14	76.5	374,850	CJ1004	49	100	6	34.1	167,090
CJ1005	49	100	-	1.0	4,900	CJ1005	49	100	6	34.1	167,090
-	-	-	-	-	-	CJ1006	49	100	6	34.1	167,090
-	-	-	-	-	-	CJ1007	49	100	-	1.0	4,900
CK0101	49	100	23	124.2	608,580	CK0101	49	100	10	55.3	270,970
CK0102	49	100	16	87.1	426,790	CK0102	49	100	10	55.3	270,970
CK0103	49	100	13	71.2	348,880	CK0103	49	100	10	55.3	270,970
CK0104	49	100	-	1.0	4,900	CK0104	49	100	21	113.6	556,640
-	-	-	-	-	-	CK0105	49	100	-	1.0	4,900
CK0201	49	100	23	124.2	608,580	CK0201	49	100	24	129.5	634,550
CK0202	49	100	15	81.8	400,820	CK0202	49	100	7	39.4	193,060
CK0203	49	100	7	39.4	193,060	CK0203	49	100	7	39.4	193,060
CK0204	49	100	6	34.1	167,090	CK0204	49	100	13	71.2	348,880
CK0205	49	100	-	1.0	4,900	CK0205	49	100	-	1.0	4,900
CK0301	49	100	23	124.2	608,580	CK0301	49	100	24	129.5	634,550
CK0302	49	100	14	76.5	374,850	CK0302	49	100	7	39.4	193,060
CK0303	49	100	15	81.8	400,820	CK0303	49	100	7	39.4	193,060
CK0304	49	100	-	1.0	4,900	CK0304	49	100	13	71.2	348,880
-	-	-	-	-	-	CK0305	49	100	-	1.0	4,900
CK0401	49	100	7	39.4	193,060	CK0401	49	100	24	129.5	634,550
CK0402	49	100	7	39.4	193,060	CK0402	49	100	7	39.4	193,060
CK0403	49	100	7	39.4	193,060	CK0403	49	100	7	39.4	193,060
CK0404	49	100	7	39.4	193,060	CK0404	49	100	13	71.2	348,880
CK0405	49	100	7	39.4	193,060	CK0405	49	100	-	1.0	4,900
CK0406	49	100	7	39.4	193,060	-	-	-	-	-	-
CK0407	49	100	6	34.1	167,090	-	-	-	-	-	-
CK0408	49	100	-	1.0	4,900	-	-	-	-	-	-
CK0501	49	100	23	124.2	608,580	CK0501	49	100	24	129.5	634,550
CK0502	49	100	15	81.8	400,820	CK0502	49	100	7	39.4	193,060
CK0503	49	100	7	39.4	193,060	CK0503	49	100	7	39.4	193,060
CK0504	49	100	6	34.1	167,090	CK0504	49	100	13	71.2	348,880
CK0505	49	100	-	1.0	4,900	CK0505	49	100	-	1.0	4,900
CK0601	49	100	23	124.2	608,580	CK0601	49	100	24	129.5	634,550
CK0602	49	100	8	44.7	219,030	CK0602	49	100	14	76.5	374,850
CK0603	49	100	21	113.6	556,640	CK0603	49	100	14	76.5	374,850
CK0604	49	100	-	1.0	4,900	CK0604	49	100	-	1.0	4,900
CK0701	49	100	8	44.7	219,030	CK0701	49	100	24	129.5	634,550
CK0702	49	100	26	140.1	686,490	CK0702	49	100	14	76.5	374,850
CK0703	49	100	18	97.7	478,730	CK0703	49	100	14	76.5	374,850
CK0704	49	100	-	1.0	4,900	CK0704	49	100	-	1.0	4,900

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CK0801	49	100	7	39.4	193,060	CK0801	49	100	7	39.4	193,060
CK0802	49	100	7	39.4	193,060	CK0802	49	100	7	39.4	193,060
CK0803	49	100	7	39.4	193,060	CK0803	49	100	7	39.4	193,060
CK0804	49	100	15	81.8	400,820	CK0804	49	100	6	34.1	167,090
CK0805	49	100	14	76.5	374,850	CK0805	49	100	5	28.8	141,120
CK0806	49	100	-	1.0	4,900	CK0806	49	100	5	28.8	141,120
-	-	-	-	-	-	CK0807	49	100	5	28.8	141,120
-	-	-	-	-	-	CK0808	49	100	5	28.8	141,120
-	-	-	-	-	-	CK0809	49	100	-	1.0	4,900
CK0901	49	100	23	124.2	608,580	CK0901	49	100	7	39.4	193,060
CK0902	49	100	15	81.8	400,820	CK0902	49	100	7	39.4	193,060
CK0903	49	100	14	76.5	374,850	CK0903	49	100	7	39.4	193,060
CK0904	49	100	-	1.0	4,900	CK0904	49	100	7	39.4	193,060
-	-	-	-	-	-	CK0905	49	100	7	39.4	193,060
-	-	-	-	-	-	CK0906	49	100	7	39.4	193,060
-	-	-	-	-	-	CK0907	49	100	6	34.1	167,090
-	-	-	-	-	-	CK0908	49	100	-	1.0	4,900
CK1001	49	100	15	81.8	400,820	CK1001	49	100	7	39.4	193,060
CK1002	49	100	15	81.8	400,820	CK1002	49	100	7	39.4	193,060
CK1003	49	100	7	39.4	193,060	CK1003	49	100	7	39.4	193,060
CK1004	49	100	14	76.5	374,850	CK1004	49	100	7	39.4	193,060
CK1005	49	100	-	1.0	4,900	CK1005	49	100	7	39.4	193,060
-	-	-	-	-	-	CK1006	49	100	7	39.4	193,060
-	-	-	-	-	-	CK1007	49	100	6	34.1	167,090
-	-	-	-	-	-	CK1008	49	100	-	1.0	4,900
CL0101	49	100	5	28.8	141,120	CL0101	49	100	27	145.4	712,460
CL0102	49	100	5	28.8	141,120	CL0102	49	100	26	140.1	686,490
CL0103	49	100	5	28.8	141,120	CL0103	49	100	-	1.0	4,900
CL0104	49	100	4	23.5	115,150	-	-	-	-	-	-
CL0105	49	100	4	23.5	115,150	-	-	-	-	-	-
CL0106	49	100	4	23.5	115,150	-	-	-	-	-	-
CL0107	49	100	4	23.5	115,150	-	-	-	-	-	-
CL0108	49	100	4	23.5	115,150	-	-	-	-	-	-
CL0109	49	100	4	23.5	115,150	-	-	-	-	-	-
CL0110	49	100	6	34.1	167,090	-	-	-	-	-	-
CL0111	49	100	-	1.0	4,900	-	-	-	-	-	-
CL0201	49	100	15	81.8	400,820	CL0201	49	100	27	145.4	712,460
CL0202	49	100	7	39.4	193,060	CL0202	49	100	26	140.1	686,490
CL0203	49	100	14	76.5	374,850	CL0203	49	100	-	1.0	4,900
CL0204	49	100	7	39.4	193,060	-	-	-	-	-	-
CL0205	49	100	7	39.4	193,060	-	-	-	-	-	-
CL0206	49	100	-	1.0	4,900	-	-	-	-	-	-
CL0301	49	100	15	81.8	400,820	CL0301	49	100	27	145.4	712,460
CL0302	49	100	7	39.4	193,060	CL0302	49	100	26	140.1	686,490
CL0303	49	100	5	28.8	141,120	CL0303	49	100	-	1.0	4,900
CL0304	49	100	5	28.8	141,120	-	-	-	-	-	-
CL0305	49	100	5	28.8	141,120	-	-	-	-	-	-
CL0306	49	100	5	28.8	141,120	-	-	-	-	-	-
CL0307	49	100	6	34.1	167,090	-	-	-	-	-	-
CL0308	49	100	-	1.0	4,900	-	-	-	-	-	-
CL0401	49	100	15	81.8	400,820	CL0401	49	100	27	145.4	712,460
CL0402	49	100	7	39.4	193,060	CL0402	49	100	26	140.1	686,490
CL0403	49	100	7	39.4	193,060	CL0403	49	100	-	1.0	4,900
CL0404	49	100	12	65.9	322,910	-	-	-	-	-	-
CL0405	49	100	9	50.0	245,000	-	-	-	-	-	-
CL0406	49	100	-	1.0	4,900	-	-	-	-	-	-
CL0501	49	100	15	81.8	400,820	CL0501	49	100	11	60.6	296,940
CL0502	49	100	7	39.4	193,060	CL0502	49	100	11	60.6	296,940
CL0503	49	100	5	28.8	141,120	CL0503	49	100	11	60.6	296,940
CL0504	49	100	16	87.1	426,790	CL0504	49	100	11	60.6	296,940
CL0505	49	100	7	39.4	193,060	CL0505	49	100	6	34.1	167,090

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CL0506	49	100	-	1.0	4,900	CL0506	49	100	-	1.0	4,900
CL0601	49	100	15	81.8	400,820	CL0601	49	100	14	76.5	374,850
CL0602	49	100	7	39.4	193,060	CL0602	49	100	13	71.2	348,880
CL0603	49	100	7	39.4	193,060	CL0603	49	100	13	71.2	348,880
CL0604	49	100	7	39.4	193,060	CL0604	49	100	11	60.6	296,940
CL0605	49	100	7	39.4	193,060	CL0605	49	100	-	1.0	4,900
CL0606	49	100	6	34.1	167,090	-	-	-	-	-	-
CL0607	49	100	-	1.0	4,900	-	-	-	-	-	-
CL0701	49	100	19	103.0	504,700	CL0701	49	100	14	76.5	374,850
CL0702	49	100	19	103.0	504,700	CL0702	49	100	13	71.2	348,880
CL0703	49	100	7	39.4	193,060	CL0703	49	100	13	71.2	348,880
CL0704	49	100	6	34.1	167,090	CL0704	49	100	11	60.6	296,940
CL0705	49	100	-	1.0	4,900	CL0705	49	100	-	1.0	4,900
CL0801	49	100	19	103.0	504,700	CL0801	49	100	19	103.0	504,700
CL0802	49	100	19	103.0	504,700	CL0802	49	100	13	71.2	348,880
CL0803	49	100	7	39.4	193,060	CL0803	49	100	13	71.2	348,880
CL0804	49	100	6	34.1	167,090	CL0804	49	100	6	34.1	167,090
CL0805	49	100	-	1.0	4,900	CL0805	49	100	-	1.0	4,900
CL0901	49	100	19	103.0	504,700	CL0901	49	100	13	71.2	348,880
CL0902	49	100	19	103.0	504,700	CL0902	49	100	13	71.2	348,880
CL0903	49	100	7	39.4	193,060	CL0903	49	100	13	71.2	348,880
CL0904	49	100	6	34.1	167,090	CL0904	49	100	12	65.9	322,910
CL0905	49	100	-	1.0	4,900	CL0905	49	100	-	1.0	4,900
CL1001	49	100	19	103.0	504,700	CL1001	49	100	13	71.2	348,880
CL1002	49	100	19	103.0	504,700	CL1002	49	100	13	71.2	348,880
CL1003	49	100	7	39.4	193,060	CL1003	49	100	13	71.2	348,880
CL1004	49	100	6	34.1	167,090	CL1004	49	100	12	65.9	322,910
CL1005	49	100	-	1.0	4,900	CL1005	49	100	-	1.0	4,900
CM0101	49	100	13	71.2	348,880	CM0101	49	100	39	209.0	1,024,100
CM0102	49	100	9	50.0	245,000	CM0102	49	100	14	76.5	374,850
CM0103	49	100	15	81.8	400,820	CM0103	49	100	-	1.0	4,900
CM0104	49	100	7	39.4	193,060	-	-	-	-	-	-
CM0105	49	100	6	34.1	167,090	-	-	-	-	-	-
CM0106	49	100	-	1.0	4,900	-	-	-	-	-	-
CM0201	49	100	13	71.2	348,880	CM0201	49	100	39	209.0	1,024,100
CM0202	49	100	9	50.0	245,000	CM0202	49	100	14	76.5	374,850
CM0203	49	100	15	81.8	400,820	CM0203	49	100	-	1.0	4,900
CM0204	49	100	7	39.4	193,060	-	-	-	-	-	-
CM0205	49	100	6	34.1	167,090	-	-	-	-	-	-
CM0206	49	100	-	1.0	4,900	-	-	-	-	-	-
CM0301	49	100	12	65.9	322,910	CM0301	49	100	10	55.3	270,970
CM0302	49	100	12	65.9	322,910	CM0302	49	100	10	55.3	270,970
CM0303	49	100	13	71.2	348,880	CM0303	49	100	10	55.3	270,970
CM0304	49	100	7	39.4	193,060	CM0304	49	100	10	55.3	270,970
CM0305	49	100	6	34.1	167,090	CM0305	49	100	10	55.3	270,970
CM0306	49	100	-	1.0	4,900	CM0306	49	100	-	1.0	4,900
CM0401	49	100	12	65.9	322,910	CM0401	49	100	18	97.7	478,730
CM0402	49	100	12	65.9	322,910	CM0402	49	100	18	97.7	478,730
CM0403	49	100	13	71.2	348,880	CM0403	49	100	16	87.1	426,790
CM0404	49	100	7	39.4	193,060	CM0404	49	100	-	1.0	4,900
CM0405	49	100	6	34.1	167,090	-	-	-	-	-	-
CM0406	49	100	-	1.0	4,900	-	-	-	-	-	-
CM0501	49	100	8	44.7	219,030	CM0501	49	100	27	145.4	712,460
CM0502	49	100	8	44.7	219,030	CM0502	49	100	26	140.1	686,490
CM0503	49	100	8	44.7	219,030	CM0503	49	100	-	1.0	4,900
CM0504	49	100	8	44.7	219,030	-	-	-	-	-	-
CM0505	49	100	5	28.8	141,120	-	-	-	-	-	-
CM0506	49	100	12	65.9	322,910	-	-	-	-	-	-
CM0507	49	100	-	1.0	4,900	-	-	-	-	-	-
CM0601	49	100	12	65.9	322,910	CM0601	49	100	27	145.4	712,460
CM0602	49	100	12	65.9	322,910	CM0602	49	100	26	140.1	686,490

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CM0603	49	100	13	71.2	348,880	CM0603	49	100	-	1.0	4,900
CM0604	49	100	14	76.5	374,850	-	-	-	-	-	-
CM0605	49	100	-	1.0	4,900	-	-	-	-	-	-
CM0701	49	100	12	65.9	322,910	CM0701	49	100	27	145.4	712,460
CM0702	49	100	12	65.9	322,910	CM0702	49	100	26	140.1	686,490
CM0703	49	100	13	71.2	348,880	CM0703	49	100	-	1.0	4,900
CM0704	49	100	14	76.5	374,850	-	-	-	-	-	-
CM0705	49	100	-	1.0	4,900	-	-	-	-	-	-
CM0801	49	100	12	65.9	322,910	CM0801	49	100	13	71.2	348,880
CM0802	49	100	12	65.9	322,910	CM0802	49	100	13	71.2	348,880
CM0803	49	100	13	71.2	348,880	CM0803	49	100	13	71.2	348,880
CM0804	49	100	14	76.5	374,850	CM0804	49	100	12	65.9	322,910
CM0805	49	100	-	1.0	4,900	CM0805	49	100	-	1.0	4,900
CM0901	49	100	12	65.9	322,910	CM0901	49	100	13	71.2	348,880
CM0902	49	100	12	65.9	322,910	CM0902	49	100	13	71.2	348,880
CM0903	49	100	13	71.2	348,880	CM0903	49	100	13	71.2	348,880
CM0904	49	100	14	76.5	374,850	CM0904	49	100	12	65.9	322,910
CM0905	49	100	-	1.0	4,900	CM0905	49	100	-	1.0	4,900
CM1001	49	100	25	134.8	660,520	CM1001	49	100	13	71.2	348,880
CM1002	49	100	13	71.2	348,880	CM1002	49	100	13	71.2	348,880
CM1003	49	100	14	76.5	374,850	CM1003	49	100	13	71.2	348,880
CM1004	49	100	-	1.0	4,900	CM1004	49	100	12	65.9	322,910
-	-	-	-	-	-	CM1005	49	100	-	1.0	4,900
CN0101	49	100	31	166.6	816,340	CN0101	49	100	8	44.7	219,030
CN0102	49	100	7	39.4	193,060	CN0102	49	100	8	44.7	219,030
CN0103	49	100	7	39.4	193,060	CN0103	49	100	7	39.4	193,060
CN0104	49	100	6	34.1	167,090	CN0104	49	100	7	39.4	193,060
CN0105	49	100	-	1.0	4,900	CN0105	49	100	6	34.1	167,090
-	-	-	-	-	-	CN0106	49	100	6	34.1	167,090
-	-	-	-	-	-	CN0107	49	100	6	34.1	167,090
-	-	-	-	-	-	CN0108	49	100	-	1.0	4,900
CN0201	49	100	31	166.6	816,340	CN0201	49	100	8	44.7	219,030
CN0202	49	100	7	39.4	193,060	CN0202	49	100	8	44.7	219,030
CN0203	49	100	7	39.4	193,060	CN0203	49	100	7	39.4	193,060
CN0204	49	100	6	34.1	167,090	CN0204	49	100	7	39.4	193,060
CN0205	49	100	-	1.0	4,900	CN0205	49	100	6	34.1	167,090
-	-	-	-	-	-	CN0206	49	100	6	34.1	167,090
-	-	-	-	-	-	CN0207	49	100	6	34.1	167,090
-	-	-	-	-	-	CN0208	49	100	-	1.0	4,900
CN0301	49	100	17	92.4	452,760	CN0301	49	100	10	55.3	270,970
CN0302	49	100	13	71.2	348,880	CN0302	49	100	10	55.3	270,970
CN0303	49	100	7	39.4	193,060	CN0303	49	100	10	55.3	270,970
CN0304	49	100	7	39.4	193,060	CN0304	49	100	10	55.3	270,970
CN0305	49	100	6	34.1	167,090	CN0305	49	100	10	55.3	270,970
CN0306	49	100	-	1.0	4,900	CN0306	49	100	-	1.0	4,900
CN0401	49	100	15	81.8	400,820	CN0401	49	100	10	55.3	270,970
CN0402	49	100	7	39.4	193,060	CN0402	49	100	10	55.3	270,970
CN0403	49	100	8	44.7	219,030	CN0403	49	100	10	55.3	270,970
CN0404	49	100	9	50.0	245,000	CN0404	49	100	10	55.3	270,970
CN0405	49	100	11	60.6	296,940	CN0405	49	100	10	55.3	270,970
CN0406	49	100	-	1.0	4,900	CN0406	49	100	-	1.0	4,900
CN0501	49	100	15	81.8	400,820	CN0501	49	100	10	55.3	270,970
CN0502	49	100	7	39.4	193,060	CN0502	49	100	10	55.3	270,970
CN0503	49	100	8	44.7	219,030	CN0503	49	100	10	55.3	270,970
CN0504	49	100	9	50.0	245,000	CN0504	49	100	10	55.3	270,970
CN0505	49	100	11	60.6	296,940	CN0505	49	100	10	55.3	270,970
CN0506	49	100	-	1.0	4,900	CN0506	49	100	-	1.0	4,900
CN0601	49	100	8	44.7	219,030	CN0601	49	100	13	71.2	348,880
CN0602	49	100	8	44.7	219,030	CN0602	49	100	13	71.2	348,880
CN0603	49	100	13	71.2	348,880	CN0603	49	100	13	71.2	348,880
CN0604	49	100	13	71.2	348,880	CN0604	49	100	12	65.9	322,910



Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CN0605	49	100	8	44.7	219,030	CN0605	49	100	-	1.0	4,900
CN0606	49	100	-	1.0	4,900	-	-	-	-	-	-
CN0701	49	100	9	50.0	245,000	CN0701	49	100	13	71.2	348,880
CN0702	49	100	9	50.0	245,000	CN0702	49	100	13	71.2	348,880
CN0703	49	100	9	50.0	245,000	CN0703	49	100	13	71.2	348,880
CN0704	49	100	9	50.0	245,000	CN0704	49	100	12	65.9	322,910
CN0705	49	100	14	76.5	374,850	CN0705	49	100	-	1.0	4,900
CN0706	49	100	-	1.0	4,900	-	-	-	-	-	-
CN0801	49	100	9	50.0	245,000	CN0801	49	100	13	71.2	348,880
CN0802	49	100	9	50.0	245,000	CN0802	49	100	13	71.2	348,880
CN0803	49	100	10	55.3	270,970	CN0803	49	100	13	71.2	348,880
CN0804	49	100	5	28.8	141,120	CN0804	49	100	12	65.9	322,910
CN0805	49	100	5	28.8	141,120	CN0805	49	100	-	1.0	4,900
CN0806	49	100	5	28.8	141,120	-	-	-	-	-	-
CN0807	49	100	5	28.8	141,120	-	-	-	-	-	-
CN0808	49	100	-	1.0	4,900	-	-	-	-	-	-
CN0901	49	100	9	50.0	245,000	CN0901	49	100	18	97.7	478,730
CN0902	49	100	9	50.0	245,000	CN0902	49	100	18	97.7	478,730
CN0903	49	100	10	55.3	270,970	CN0903	49	100	16	87.1	426,790
CN0904	49	100	5	28.8	141,120	CN0904	49	100	-	1.0	4,900
CN0905	49	100	5	28.8	141,120	-	-	-	-	-	-
CN0906	49	100	5	28.8	141,120	-	-	-	-	-	-
CN0907	49	100	5	28.8	141,120	-	-	-	-	-	-
CN0908	49	100	-	1.0	4,900	-	-	-	-	-	-
CN1001	49	100	9	50.0	245,000	CN1001	49	100	18	97.7	478,730
CN1002	49	100	9	50.0	245,000	CN1002	49	100	18	97.7	478,730
CN1003	49	100	9	50.0	245,000	CN1003	49	100	16	87.1	426,790
CN1004	49	100	4	23.5	115,150	CN1004	49	100	-	1.0	4,900
CN1005	49	100	5	28.8	141,120	-	-	-	-	-	-
CN1006	49	100	4	23.5	115,150	-	-	-	-	-	-
CN1007	49	100	8	44.7	219,030	-	-	-	-	-	-
CN1008	49	100	-	1.0	4,900	-	-	-	-	-	-
CO0101	49	100	32	171.9	842,310	CO0101	49	100	8	44.7	219,030
CO0102	49	100	21	113.6	556,640	CO0102	49	100	8	44.7	219,030
CO0103	49	100	-	1.0	4,900	CO0103	49	100	7	39.4	193,060
-	-	-	-	-	-	CO0104	49	100	7	39.4	193,060
-	-	-	-	-	-	CO0105	49	100	6	34.1	167,090
-	-	-	-	-	-	CO0106	49	100	6	34.1	167,090
-	-	-	-	-	-	CO0107	49	100	6	34.1	167,090
-	-	-	-	-	-	CO0108	49	100	-	1.0	4,900
CO0201	49	100	45	240.8	1,179,920	CO0201	49	100	8	44.7	219,030
CO0202	49	100	8	44.7	219,030	CO0202	49	100	8	44.7	219,030
CO0203	49	100	-	1.0	4,900	CO0203	49	100	7	39.4	193,060
-	-	-	-	-	-	CO0204	49	100	7	39.4	193,060
-	-	-	-	-	-	CO0205	49	100	6	34.1	167,090
-	-	-	-	-	-	CO0206	49	100	6	34.1	167,090
-	-	-	-	-	-	CO0207	49	100	6	34.1	167,090
-	-	-	-	-	-	CO0208	49	100	-	1.0	4,900
CO0301	49	100	18	97.7	478,730	CO0301	49	100	10	55.3	270,970
CO0302	49	100	26	140.1	686,490	CO0302	49	100	10	55.3	270,970
CO0303	49	100	8	44.7	219,030	CO0303	49	100	10	55.3	270,970
CO0304	49	100	-	1.0	4,900	CO0304	49	100	10	55.3	270,970
-	-	-	-	-	-	CO0305	49	100	10	55.3	270,970
-	-	-	-	-	-	CO0306	49	100	-	1.0	4,900
CO0401	49	100	7	39.4	193,060	CO0401	49	100	10	55.3	270,970
CO0402	49	100	12	65.9	322,910	CO0402	49	100	10	55.3	270,970
CO0403	49	100	12	65.9	322,910	CO0403	49	100	10	55.3	270,970
CO0404	49	100	11	60.6	296,940	CO0404	49	100	10	55.3	270,970
CO0405	49	100	8	44.7	219,030	CO0405	49	100	10	55.3	270,970
CO0406	49	100	-	1.0	4,900	CO0406	49	100	-	1.0	4,900
CO0501	49	100	12	65.9	322,910	CO0501	49	100	10	55.3	270,970

Before						After					
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CO0502	49	100	12	65.9	322,910	CO0502	49	100	10	55.3	270,970
CO0503	49	100	19	103.0	504,700	CO0503	49	100	10	55.3	270,970
CO0504	49	100	8	44.7	219,030	CO0504	49	100	10	55.3	270,970
CO0505	49	100	-	1.0	4,900	CO0505	49	100	10	55.3	270,970
-	-	-	-	-	-	CO0506	49	100	-	1.0	4,900
CO0601	49	100	12	65.9	322,910	CO0601	49	100	13	71.2	348,880
CO0602	49	100	12	65.9	322,910	CO0602	49	100	13	71.2	348,880
CO0603	49	100	12	65.9	322,910	CO0603	49	100	13	71.2	348,880
CO0604	49	100	15	81.8	400,820	CO0604	49	100	12	65.9	322,910
CO0605	49	100	-	1.0	4,900	CO0605	49	100	-	1.0	4,900
CO0701	49	100	13	71.2	348,880	CO0701	49	100	13	71.2	348,880
CO0702	49	100	13	71.2	348,880	CO0702	49	100	13	71.2	348,880
CO0703	49	100	13	71.2	348,880	CO0703	49	100	13	71.2	348,880
CO0704	49	100	12	65.9	322,910	CO0704	49	100	12	65.9	322,910
CO0705	49	100	-	1.0	4,900	CO0705	49	100	-	1.0	4,900
CO0801	49	100	13	71.2	348,880	CO0801	49	100	13	71.2	348,880
CO0802	49	100	13	71.2	348,880	CO0802	49	100	13	71.2	348,880
CO0803	49	100	13	71.2	348,880	CO0803	49	100	13	71.2	348,880
CO0804	49	100	12	65.9	322,910	CO0804	49	100	12	65.9	322,910
CO0805	49	100	-	1.0	4,900	CO0805	49	100	-	1.0	4,900
CO0901	49	100	13	71.2	348,880	CO0901	49	100	18	97.7	478,730
CO0902	49	100	13	71.2	348,880	CO0902	49	100	18	97.7	478,730
CO0903	49	100	13	71.2	348,880	CO0903	49	100	16	87.1	426,790
CO0904	49	100	12	65.9	322,910	CO0904	49	100	-	1.0	4,900
CO0905	49	100	-	1.0	4,900	-	-	-	-	-	-
CO1001	49	100	13	71.2	348,880	CO1001	49	100	18	97.7	478,730
CO1002	49	100	13	71.2	348,880	CO1002	49	100	18	97.7	478,730
CO1003	49	100	13	71.2	348,880	CO1003	49	100	16	87.1	426,790
CO1004	49	100	12	65.9	322,910	CO1004	49	100	-	1.0	4,900
CO1005	49	100	-	1.0	4,900	-	-	-	-	-	-
CP0101	49	100	7	39.4	193,060	CP0101	49	100	13	71.2	348,880
CP0102	49	100	7	39.4	193,060	CP0102	49	100	13	71.2	348,880
CP0103	49	100	7	39.4	193,060	CP0103	49	100	13	71.2	348,880
CP0104	49	100	7	39.4	193,060	CP0104	49	100	12	65.9	322,910
CP0105	49	100	22	118.9	582,610	CP0105	49	100	-	1.0	4,900
CP0106	49	100	-	1.0	4,900	-	-	-	-	-	-
CP0201	49	100	7	39.4	193,060	CP0201	49	100	13	71.2	348,880
CP0202	49	100	7	39.4	193,060	CP0202	49	100	13	71.2	348,880
CP0203	49	100	7	39.4	193,060	CP0203	49	100	13	71.2	348,880
CP0204	49	100	7	39.4	193,060	CP0204	49	100	12	65.9	322,910
CP0205	49	100	22	118.9	582,610	CP0205	49	100	-	1.0	4,900
CP0206	49	100	-	1.0	4,900	-	-	-	-	-	-
CP0301	49	100	7	39.4	193,060	CP0301	49	100	13	71.2	348,880
CP0302	49	100	7	39.4	193,060	CP0302	49	100	13	71.2	348,880
CP0303	49	100	7	39.4	193,060	CP0303	49	100	13	71.2	348,880
CP0304	49	100	7	39.4	193,060	CP0304	49	100	12	65.9	322,910
CP0305	49	100	22	118.9	582,610	CP0305	49	100	-	1.0	4,900
CP0306	49	100	-	1.0	4,900	-	-	-	-	-	-
CP0401	49	100	15	81.8	400,820	CP0401	49	100	13	71.2	348,880
CP0402	49	100	7	39.4	193,060	CP0402	49	100	13	71.2	348,880
CP0403	49	100	7	39.4	193,060	CP0403	49	100	13	71.2	348,880
CP0404	49	100	22	118.9	582,610	CP0404	49	100	12	65.9	322,910
CP0405	49	100	-	1.0	4,900	CP0405	49	100	-	1.0	4,900
CP0501	49	100	7	39.4	193,060	CP0501	49	100	13	71.2	348,880
CP0502	49	100	7	39.4	193,060	CP0502	49	100	13	71.2	348,880
CP0503	49	100	7	39.4	193,060	CP0503	49	100	13	71.2	348,880
CP0504	49	100	7	39.4	193,060	CP0504	49	100	12	65.9	322,910
CP0505	49	100	22	118.9	582,610	CP0505	49	100	-	1.0	4,900
CP0506	49	100	-	1.0	4,900	-	-	-	-	-	-
CP0601	49	100	7	39.4	193,060	CP0601	49	100	18	97.7	478,730
CP0602	49	100	7	39.4	193,060	CP0602	49	100	18	97.7	478,730

Before					After						
Shelf	Width	Length	Hole	Height	Capacity	Shelf	Width	Length	Hole	Height	Capacity
CP0603	49	100	7	39.4	193,060	CP0603	49	100	16	87.1	426,790
CP0604	49	100	7	39.4	193,060	CP0604	49	100	-	1.0	4,900
CP0605	49	100	22	118.9	582,610	-	-	-	-	-	-
CP0606	49	100	-	1.0	4,900	-	-	-	-	-	-
CP0701	49	100	31	166.6	816,340	CP0701	49	100	18	97.7	478,730
CP0702	49	100	22	118.9	582,610	CP0702	49	100	18	97.7	478,730
CP0703	49	100	-	1.0	4,900	CP0703	49	100	16	87.1	426,790
-	-	-	-	-	-	CP0704	49	100	-	1.0	4,900
CP0801	49	100	31	166.6	816,340	CP0801	49	100	18	97.7	478,730
CP0802	49	100	22	118.9	582,610	CP0802	49	100	18	97.7	478,730
CP0803	49	100	-	1.0	4,900	CP0803	49	100	16	87.1	426,790
-	-	-	-	-	-	CP0804	49	100	-	1.0	4,900
CP0901	49	100	31	166.6	816,340	CP0901	49	100	18	97.7	478,730
CP0902	49	100	22	118.9	582,610	CP0902	49	100	18	97.7	478,730
CP0903	49	100	-	1.0	4,900	CP0903	49	100	16	87.1	426,790
-	-	-	-	-	-	CP0904	49	100	-	1.0	4,900
CP1001	49	100	13	71.2	348,880	CP1001	49	100	18	97.7	478,730
CP1002	49	100	15	81.8	400,820	CP1002	49	100	18	97.7	478,730
CP1003	49	100	24	129.5	634,550	CP1003	49	100	16	87.1	426,790
CP1004	49	100	-	1.0	4,900	CP1004	49	100	-	1.0	4,900
CQ0101	81	105	26	99.2	843,696	CQ0101	81	105	26	99.2	843,696
CQ0102	81	105	21	80.2	682,101	CQ0102	81	105	21	80.2	682,101
CQ0103	81	105	-	1.0	8,505	CQ0103	81	105	-	1.0	8,505
CQ0201	81	105	26	99.2	843,696	CQ0201	81	105	26	99.2	843,696
CQ0202	81	105	21	80.2	682,101	CQ0202	81	105	21	80.2	682,101
CQ0203	81	105	-	1.0	8,505	CQ0203	81	105	-	1.0	8,505
CQ0301	81	105	26	99.2	843,696	CQ0301	81	105	26	99.2	843,696
CQ0302	81	105	21	80.2	682,101	CQ0302	81	105	21	80.2	682,101
CQ0303	81	105	-	1.0	8,505	CQ0303	81	105	-	1.0	8,505
CQ0401	81	105	26	99.2	843,696	CQ0401	81	105	26	99.2	843,696
CQ0402	81	105	21	80.2	682,101	CQ0402	81	105	21	80.2	682,101
CQ0403	81	105	-	1.0	8,505	CQ0403	81	105	-	1.0	8,505
CQ0501	81	105	26	99.2	843,696	CQ0501	81	105	26	99.2	843,696
CQ0502	81	105	21	80.2	682,101	CQ0502	81	105	21	80.2	682,101
CQ0503	81	105	-	1.0	8,505	CQ0503	81	105	-	1.0	8,505
CQ0601	81	105	26	99.2	843,696	CQ0601	81	105	26	99.2	843,696
CQ0602	81	105	21	80.2	682,101	CQ0602	81	105	21	80.2	682,101
CQ0603	81	105	-	1.0	8,505	CQ0603	81	105	-	1.0	8,505
CQ0701	81	105	48	182.8	1,554,714	CQ0701	81	105	48	182.8	1,554,714
CQ0702	81	105	-	1.0	8,505	CQ0702	81	105	-	1.0	8,505
CQ0801	81	105	48	182.8	1,554,714	CQ0801	81	105	48	182.8	1,554,714
CQ0802	81	105	-	1.0	8,505	CQ0802	81	105	-	1.0	8,505
CQ0901	81	105	23	87.8	746,739	CQ0901	81	105	23	87.8	746,739
CQ0902	81	105	24	91.6	779,058	CQ0902	81	105	24	91.6	779,058
CQ0903	81	105	-	1.0	8,505	CQ0903	81	105	-	1.0	8,505
CQ1001	81	105	23	87.8	746,739	CQ1001	81	105	23	87.8	746,739
CQ1002	81	105	24	91.6	779,058	CQ1002	81	105	24	91.6	779,058
CQ1003	81	105	-	1.0	8,505	CQ1003	81	105	-	1.0	8,505
CQ1101	81	105	48	182.8	1,554,714	CQ1101	81	105	48	182.8	1,554,714
CQ1102	81	105	-	1.0	8,505	CQ1102	81	105	-	1.0	8,505
CQ1201	81	105	48	182.8	1,554,714	CQ1201	81	105	48	182.8	1,554,714
CQ1202	81	105	-	1.0	8,505	CQ1202	81	105	-	1.0	8,505
CQ1301	81	105	48	182.8	1,554,714	CQ1301	81	105	48	182.8	1,554,714
CQ1302	81	105	-	1.0	8,505	CQ1302	81	105	-	1.0	8,505
CQ1401	81	105	48	182.8	1,554,714	CQ1401	81	105	48	182.8	1,554,714
CQ1402	81	105	-	1.0	8,505	CQ1402	81	105	-	1.0	8,505
Total Capacity =					237,915,230	Total Capacity =					238,275,380
Capacity Used =					192,389,575	Capacity Used =					182,496,251
Space =					45,525,655	Space =					55,779,129

## ภาคผนวก จ

การคำนวณปริมาณจัดเก็บที่ระดับปริมาณคงคลังเฉลี่ยของวัสดุโภคภัณฑ์  
ในหน่วยช่องจัดเก็บสำหรับหิ้งวางของ (Shelf)

เนื่องจากหิ้งวางของ (Shelf) เป็นแบบปรับระดับได้ ทำให้การคำนวณปริมาตรจัดเก็บสำหรับพัสดุแต่ละรายการต้องมีการคำนวณปริมาตรจัดเก็บตามช่องปรับระดับ (Hole) และจำนวนช่องจัดเก็บ (Stack) เพื่อใช้ในการพิจารณาในการกำหนดตำแหน่งจัดเก็บ แสดงดังตารางที่ จ.1

Hole	Width	Length	Height	Capacity	1 Stack	2 Stack	3 Stack	4 Stack	5 Stack	6 Stack	7 Stack	8 Stack	9 Stack	10 Stack
1	49	100	7.6	37,240	37,240	74,480	111,720	148,960	186,200	223,440	260,680	297,920	335,160	372,400
2	49	100	12.9	63,210	63,210	126,420	189,630	252,840	316,050	379,260	442,470	505,680	568,890	632,100
3	49	100	18.2	89,180	89,180	178,360	267,540	356,720	445,900	535,080	624,260	713,440	802,620	891,800
4	49	100	23.5	115,150	115,150	230,300	345,450	460,600	575,750	690,900	806,050	921,200	1,036,350	1,151,500
5	49	100	28.8	141,120	141,120	282,240	423,360	564,480	705,600	846,720	987,840	1,128,960	1,270,080	1,411,200
6	49	100	34.1	167,090	167,090	334,180	501,270	668,360	835,450	1,002,540	1,169,630	1,336,720	1,503,810	1,670,900
7	49	100	39.4	193,060	193,060	386,120	579,180	772,240	965,300	1,158,360	1,351,420	1,544,480	1,737,540	1,930,600
8	49	100	44.7	219,030	219,030	438,060	657,090	876,120	1,095,150	1,314,180	1,533,210	1,752,240	1,971,270	2,190,300
9	49	100	50.0	245,000	245,000	490,000	735,000	980,000	1,225,000	1,470,000	1,715,000	1,960,000	2,205,000	2,450,000
10	49	100	55.3	270,970	270,970	541,940	812,910	1,083,880	1,354,850	1,625,820	1,896,790	2,167,760	2,438,730	2,709,700
11	49	100	60.6	296,940	296,940	593,880	890,820	1,187,760	1,484,700	1,781,640	2,078,580	2,375,520	2,672,460	2,969,400
12	49	100	65.9	322,910	322,910	645,820	968,730	1,291,440	1,614,550	1,937,660	2,260,770	2,583,880	2,906,990	3,229,100
13	49	100	71.2	348,880	348,880	697,760	1,046,640	1,395,520	1,744,400	2,093,280	2,442,160	2,791,040	3,139,920	3,488,800
14	49	100	76.5	374,850	374,850	749,700	1,124,550	1,499,400	1,874,250	2,249,100	2,623,950	2,998,800	3,373,650	3,748,500
15	49	100	81.8	400,820	400,820	801,640	1,202,460	1,603,280	2,004,100	2,404,920	2,805,740	3,206,560	3,607,380	4,008,200
16	49	100	87.1	426,790	426,790	853,580	1,280,370	1,707,180	2,133,900	2,560,720	2,987,530	3,414,320	3,841,110	4,267,900
17	49	100	92.4	452,760	452,760	905,520	1,358,280	1,811,040	2,237,850	2,715,580	3,189,320	3,667,060	4,144,800	4,622,600
18	49	100	97.7	478,730	478,730	957,460	1,436,190	1,914,820	2,383,650	2,872,380	3,351,110	3,828,840	4,308,570	4,787,300
19	49	100	103.0	504,700	504,700	1,009,400	1,514,100	2,018,800	2,523,500	3,028,200	3,532,900	4,037,600	4,542,300	5,047,000
20	49	100	108.3	530,670	530,670	1,061,340	1,592,010	2,122,680	2,653,350	3,184,020	3,714,690	4,245,360	4,776,030	5,306,700
21	49	100	113.6	556,640	556,640	1,113,280	1,669,920	2,228,560	2,783,200	3,339,840	3,896,480	4,453,120	5,009,760	5,568,400
22	49	100	118.9	582,610	582,610	1,165,220	1,747,830	2,330,440	2,913,050	3,496,680	4,078,270	4,660,880	5,243,400	5,826,100
23	49	100	124.2	608,580	608,580	1,212,160	1,825,740	2,434,320	3,042,900	3,651,480	4,260,060	4,868,640	5,477,220	6,085,800
24	49	100	129.5	634,550	634,550	1,269,100	1,903,650	2,538,200	3,172,750	3,807,300	4,441,850	5,078,400	5,710,950	6,345,500
25	49	100	134.8	660,520	660,520	1,321,040	1,981,560	2,642,080	3,302,600	3,963,120	4,623,840	5,284,160	5,944,680	6,605,200
26	49	100	140.1	686,490	686,490	1,372,980	2,059,470	2,745,960	3,432,450	4,118,940	4,805,430	5,491,920	6,178,410	6,864,900
27	49	100	145.4	712,460	712,460	1,424,920	2,137,380	2,849,840	3,562,300	4,274,760	4,987,220	5,698,880	6,412,140	7,124,800
28	49	100	150.7	738,430	738,430	1,476,860	2,215,290	2,953,720	3,692,150	4,430,580	5,168,010	5,907,440	6,645,670	7,384,300
29	49	100	156.0	764,400	764,400	1,528,800	2,293,200	3,057,600	3,822,000	4,588,400	5,350,800	6,115,200	6,879,600	7,644,000
30	49	100	161.3	790,370	790,370	1,580,740	2,371,110	3,161,480	3,951,850	4,742,220	5,532,590	6,322,960	7,113,330	7,903,700
31	49	100	166.6	816,340	816,340	1,632,680	2,449,020	3,265,360	4,081,700	4,898,040	5,714,380	6,530,720	7,347,060	8,163,400
32	49	100	171.9	842,310	842,310	1,684,560	2,526,930	3,369,240	4,211,550	5,053,860	5,898,170	6,738,480	7,580,790	8,423,100
33	49	100	177.2	868,280	868,280	1,736,500	2,604,940	3,473,120	4,341,400	5,209,680	6,077,960	6,948,240	7,814,520	8,682,800
34	49	100	182.5	894,250	894,250	1,788,480	2,682,750	3,577,000	4,471,250	5,365,500	6,259,750	7,154,000	8,048,250	8,942,500
35	49	100	187.8	920,220	920,220	1,840,440	2,760,660	3,680,880	4,601,100	5,521,320	6,411,540	7,361,760	8,281,980	9,202,200
36	49	100	193.1	946,190	946,190	1,892,380	2,838,570	3,784,760	4,730,950	5,677,140	6,623,330	7,568,620	8,515,710	9,461,900
37	49	100	198.4	972,160	972,160	1,944,320	2,916,480	3,888,640	4,860,800	5,832,960	6,805,120	7,777,280	8,749,440	9,721,600
38	49	100	203.7	998,130	998,130	1,996,260	2,994,390	3,992,520	4,990,650	5,988,780	6,998,910	7,998,040	8,998,170	9,998,300
39	49	100	209.0	1,024,100	1,024,100	2,048,200	3,072,300	4,096,400	5,120,500	6,144,600	7,168,700	8,192,800	9,216,900	10,241,000
40	49	100	214.3	1,050,070	1,050,070	2,100,140	3,150,210	4,200,280	5,250,350	6,300,420	7,350,490	8,400,560	9,450,630	10,500,700
41	49	100	219.6	1,076,040	1,076,040	2,152,080	3,228,120	4,304,160	5,380,200	6,456,240	7,532,280	8,608,320	9,684,360	10,760,400
42	49	100	224.9	1,102,010	1,102,010	2,204,020	3,306,030	4,408,040	5,510,050	6,612,060	7,714,070	8,816,080	9,918,090	11,020,100
43	49	100	230.2	1,127,980	1,127,980	2,255,960	3,383,940	4,511,920	5,639,900	6,767,880	7,895,860	9,023,840	10,151,820	11,279,800
44	49	100	235.5	1,153,950	1,153,950	2,307,900	3,461,850	4,615,800	5,769,750	6,923,700	8,077,650	9,231,600	10,385,550	11,539,500
45	49	100	240.8	1,179,920	1,179,920	2,359,840	3,539,760	4,719,680	5,899,600	7,079,520	8,259,440	9,439,360	10,619,280	11,799,200
46	49	100	246.1	1,205,890	1,205,890	2,411,780	3,617,670	4,823,560	6,029,450	7,235,340	8,441,230	9,647,120	10,853,010	12,058,900
47	49	100	251.4	1,231,860	1,231,860	2,463,720	3,695,580	4,927,440	6,159,300	7,391,160	8,623,020	9,854,880	11,066,740	12,318,600
48	49	100	256.7	1,257,830	1,257,830	2,515,660	3,773,490	5,031,320	6,289,150	7,546,980	8,804,810	10,022,640	11,320,470	12,578,300
49	49	100	262.0	1,283,800	1,283,800	2,567,600	3,851,400	5,135,200	6,419,000	7,702,800	8,986,600	10,270,400	11,554,200	12,838,000
50	49	100	267.3	1,309,770	1,309,770	2,619,540	3,929,310	5,239,080	6,548,850	7,858,620	9,168,390	10,478,160	11,787,930	13,097,700
51	49	100	272.6	1,335,740	1,335,740	2,671,480	4,007,220	5,342,960	6,678,700	8,014,440	9,350,180	10,695,920	12,021,660	13,357,400
52	49	100	277.9	1,361,710	1,361,710	2,723,420	4,085,130	5,446,840	6,808,550	8,170,260	9,531,970	10,895,680	12,255,390	13,617,100
53	49	100	283.2	1,387,680	1,387,680	2,775,360	4,163,040	5,550,720	6,938,400	8,326,080	9,713,760	11,101,440	12,489,120	13,876,800
54	49	100	288.5	1,413,650	1,413,650	2,827,300	4,240,950	5,654,600	7,088,250	8,481,900	9,895,550	11,309,200	12,722,850	14,136,500
55	49	100	293.8	1,439,620	1,439,620	2,879,240	4,318,860	5,758,480	7,198,100	8,637,720	10,077,340	11,518,960	12,956,580	14,396,200
56	49	100	299.1	1,465,590	1,465,590	2,931,180	4,396,770	5,862,360	7,327,950	8,793,540	10,259,130	11,724,720	13,190,310	14,655,900

ตารางที่ จ.1 แสดงปริมาตรจัดเก็บตามช่องปรับระดับ (Hole) และจำนวนช่องจัดเก็บ (Stack)

ในการคำนวณพื้นที่จัดเก็บพัสดุที่จัดเก็บบนหิ้งแบบที่ 1 มีปัจจัยที่ใช้คำนวณดังนี้

1. ขนาดหน่วยบรรจุของพัสดุแต่ละรายการ (กว้าง(ซม.) x ยาว(ซม.) x สูง(ซม.))
2. ปริมาตรจัดเก็บเฉลี่ยต่อเดือนของพัสดุแต่ละรายการ
3. ขนาดช่องจัดเก็บของหิ้งวางของแบบที่ 1 ซึ่งมีขนาดต่างๆ ดังตารางที่ จ.1

รหัสวัสดุ	ขนาดหน้าบานกระจก			ปริมาณวัสดุกระจก เฉลี่ยต่อเดือน (ลบ.ซม.)	ปริมาณวัสดุกระจก เฉลี่ยต่อเดือน		จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ
	กว้าง (ซม.)	ยาว (ซม.)	สูง (ซม.)		จำนวนช่อง ปรับระดับ	จำนวนช่อง จัดเก็บ										
010400001	37	37	32	700,928	12	4	CH0101	CH0102	CH0201	CH0202						
040000401	4.6	4.6	8.4	888.72	6	0.01	CH0103									
040000406	33	60	15	2,019,600	39	2	CM0101	CM0201								
040000411	26	29	28	232,232	6	2	CH0204	CH0307								
040000501	8.5	8.5	22.3	4,833.53	4	0.20	CH0306									
040000502	8.5	8.5	22.3	4,833.53	4	0.20	CH0306									
040000503	8.5	8.5	22.3	3,222.35	4	0.20	CH0306									
040000504	8.5	8.5	22.3	3,222.35	4	0.20	CH0306									
040000505	8.5	8.5	22.3	3,222.35	4	0.20	CH0306									
040000507	21	29	21	555,660	11	2	CH0301	CH0302								
040000510	27	29	33	51,678	6	0.31	CH0104									
040000617	28	38	40	127,680	7	0.66	CH0103									
040000520	27	35.5	38	72,846	7	0.38	CH0203									
040000621	27	27	37	539,460	14	2	CH0401	CH0402								
040000523	27	35.5	38	619,191	14	2	CH0501	CH0502								
040106402	32	32	42	731,136	14	2	CH0601	CH0602								
040107007	18	12.5	28	302,400	5	3	CH0303	CH0304	CH0305							
040107008	22	28	48	3,311,616	9	3	CI0901	CI1001	CI0807							
040107010	19	22	29	72,732	6	1	CI1005									
040107012	22	28	48	384,384	9	3	CI0902	CI1002	CI0807							
040107013	14	19	24	242,592	5	2	CI0905	CI0906								
040107014	8.5	8.5	21.5	7,767	5	1	CI1006									
040107403	25	30	37	111,000	7	1	CH0405									
040107405	25	30	37	83,250	7	1	CH0404									
040107902	38	38	32	69,312	6	0.41	CH0103									
040109001	30	24	43	123,840	8	1	CH0403									
040200401	16	22	36	316,800	8	2	CH0503	CH0504								
040201003	13.5	24	31.5	1,010,394	12	5	CI0101	CI0102	CI0103	CI0104	CI0205					
040201004	28	22	40	295,680	15	1	CI0201									
040201019	16.4	16.4	22	112,425.28	8	2	CI0202	CI0203								
040209001	14	21	28.5	83,790	6	0.50	CH0505									
040301402	38	38	32	1,594,176	12	8	CI0401	CI0402	CI0403	CI0404	CI0501	CI0502	CI0503	CI0504		
040303903	38	38	32	4,332,000	18	10	CH0704	CQ0101	CQ0102	CQ0201	CQ0202	CQ0301	CQ0302			
040304901	26	36.5	32	455,520	12	2	CI0901	CI0902								
040401007	33	60	15	207,900	7	2	CI0304	CI0305								
040401008	22	28	48	354,816	9	2	CI0903	CI1003								
040401402	16.5	16.5	28	731,808	5	6	CI0803	CI0804	CI0805	CI0806	CI0704	CI0705				
040409006	20.5	26	23	1,054,274	17	2	CH0701	CH0801								
040417001	16.5	22	17	234,498	9	1	CH0702									
040423406	32	32	42	129,024	8	1	CI0303									
040500408	6	6	24	86,436	5	3	CH0803	CH0604	CH0605							
040506035	12.5	16	35	35,000	7	0.18	CI0306									
040506902	36	36	39	505,440	8	3	CI0701	CI0702	CI0703							
040507010	22	28	48	3,134,208	9	3	CI0804	CI1004	CI1007							
040508004	7	7	16	3,136	4	0.03	CH0703									
040600001	40	40	65	1,664,000	floor		CQ1101	CQ1201								
040600002	33	50	11	181,500	9	1	CH0802									
040801078	13.8	13.8	16.6	6,322.81	4	0.05	CH0703									
040805005	29	29	35	29,435	6	0.18	CH0806									
040805008	8.5	8.5	23	14,956	4	0.13	CH0703									
040805010	11.5	6	20	26220	4	0.23	CI0807									
040805013	6	11.5	18.5	31,912.50	5	0.23	CF0806									
040809012	11.5	11.5	13.5	17,853.75	5	0.13	CF0806									
040809014	11.5	23	2.5	16,909.11	4	0.15	CH0803									
040900401	5	5	17.3	24,220	4	0.21	CI0807									
040900402	30.5	30.5	38.5	101,862.38	7	1	CI0204									
040900403	24	24	35	241,920	7	1.25	CI0306	CI0307								
040901402	31	31	35	100,905	7	1	CI0301									
040903401	18	48	9	2,741.04	4	0.02	CH0803									
040903402	7	14	28	35,672	6	0.21	CH0705									
040903403	31.5	31.5	39.5	431,133	6	4	CI0707	CI0708	CI0805	CI0806						































รหัสวัสดุ	ขนาดหน่วยบรรจุ			ปริมาณจัดเก็บ เฉลี่ยต่อเดือน (ค.ม.ช.ม.)	ปริมาณจัดเก็บ เฉลี่ยต่อเดือน		จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ	จำนวน จัดเก็บ
	กว้าง (ซม.)	ยาว (ซม.)	สูง (ซม.)		จำนวนช่อง ปรับระดับ	จำนวนช่อง จัดเก็บ										
975102004	5.5	5.5	18.5	9,514	6	0.06	CJ0806									
975102005	15.5	15.5	30	345,960	7		CJ0701	CJ0702	CJ0703							
975102007	12	20	28	571,200	5	5	CJ0802	CJ0804	CJ0805	CJ0806	CJ0807					
975102008	28	29.5	39	612,066	15	2	CJ0801	CJ0801								
975102009	15	27	18	261,630	6	2	CJ0704	CJ0803								
975102012	15	15	31	202,275	6	2	CJ0902	CJ0903								
975102013	11	20	27.5	84,700	5	1	CJ0905									
975102014	11	20	27.5	90,750	5	1	CJ0906									
975102015	11	20	27.5	60,500	5	1	CJ0907									
975102016	9	15	30.5	292,343	6	3	CJ1004	CJ1005	CJ1008							
975102017	10	10	16	30,400	6	0.18	CJ0808									
975102018	15	15	31	118,575	6	1	CJ0804									
975103001	37.5	64.5	36.5	267,843	7,12	1,1	CJ1001	CJ1002								
975103002	35	36	1	17,388	7	1	CJ1003									
975103003	32	25	28.5	1,322,400	6	9	CK10	CK0802	CK0803	CK0808	CK1008					
975103004	50	100	2	120,000	hang	2	CK10	CL10								
975103005	24	32	76	116,736	7	1	CK0901									
975201001	32	55	26	183,040	9	1	CK0101									
975201002	37	60	26	230,880	9	1	CK0102									
975201003	29	65	43	525,236	topCJ	1	CK0195									
975201004	29	37.5	32.5	130,772	9	1	CK0103									
975201005	45.5	45.5	88	182,182	17	1	CK0104									
975202001	27	31	61	168,360	12	1	CK0204									
975202002	23	30	61	841,800	7,24	2,1	CK0201	CK0202	CK0203							
975202003	23	30	61	841,800	7,24	2,1	CK0301	CK0302	CK0303							
975202004	23	30	61	1,262,700	7,24	1,2	CK0401	CK0404	CK0601							
975202006	23	30	61	378,810	7	2	CK0304	CK0404								
975202009	23	30	61	1,683,600	7,24	3,2	CK0402	CK0403	CK0504	CK0801	CK0701					
979900002	21	21	9.5	146,833	7	1	CK0502									
979900003	36	36	2	88,128	7	1	CK0503									
979901003				3	pallet		PV01	PV02								
979902001	19.5	23	13	29,153	5	0.21	CK0806									
979902004	15.5	16	10	74,400	5	1	CK0907									
979902006	20.5	21	10	107,625	7	1	CK0904									
979902007	12	12.5	12	30,000	5	0.33	CK0807									
979902008	24	36	18.5	40,848	5	0.33	CK0807									
979902009	18.5	29	17	40,056	5	0.33	CK0807									
979902010	16.5	24	17	112,200	7	1	CK0905									
979902013	39	60	34.5	3,907,332	topCl,CJ	10	CM0103	CM0203	CM0306	CM0404	CM0503	CM0603	CM0703	CM0805	CM0905	CM1005
979902014	19	19.5	10	111,150	7	1	CK0806									
28011001P	8	8	7	88,086	5	0.48	CK0806									
280501076P	22	22	9	95,832	5	0.68	CK0805									
280501083P	21.5	21.5	10	106,318	6	0.64	CK0804									
280501101P	25	25	11	543,125	7	2.81	CK0801	CK0802	CK0803							
960107001M					13	1	CM0801									
960107002M					18	1	CL0801									
960107003M	20	32	7.5	523,200	13	2	CL0802	CL0803								
960107004M					13	1	CM0802									
960107005M					13	8	CL0801	CL0802	CL0803	CL0804	CL1001	CL1002	CL1003	CL1004		
960107006M					13	8	CM0901	CM0902	CM0903	CM0904	CM1001	CM1002	CM1003	CM1004		

หมายเหตุ บางรายการมีขนาดหน่วยบรรจุใหญ่มาก ต้องจัดวางบนพาเลทและจัดเก็บบนชั้นวาง (Rack)

## ภาคผนวก จ

การคำนวณปริมาณจัดเก็บที่ระดับปริมาณคงคลังเฉลี่ยของพัสดุโภคภัณฑ์  
ในหน่วยช่องจัดเก็บสำหรับชั้นวางของ (Rack)

ในการคำนวณพื้นที่จัดเก็บพัสดุโภคภัณฑ์ประเภท Packaging ที่จัดเก็บบนชั้นวาง มีปัจจัยที่ใช้คำนวณดังนี้

1. ขนาดหน่วยบรรจุของพัสดุแต่ละรายการ (กว้าง (ซม.) x ยาว (ซม.) x สูง (ซม.))
2. ปริมาณจัดเก็บเฉลี่ยต่อเดือนของพัสดุแต่ละรายการ
3. ขนาดช่องจัดเก็บของชั้นวางของ

ชั้นวางของเป็นแบบ Drive-in rack ในแต่ละช่องจัดเก็บมีความลึก 130 เซนติเมตร กว้าง 150 เซนติเมตร สูง 125 เซนติเมตร โดยแต่ละช่องสามารถจัดเก็บพัสดุนพาเลทซึ่งมีขนาดกว้าง 120 เซนติเมตร ยาว 120 เซนติเมตร กำหนดระยะเผื่อในแนวสูง 15 เซนติเมตร คำนวณพื้นที่จัดเก็บพัสดุแต่ละรายการได้ดังนี้

$$\begin{aligned} & \text{ปริมาณจัดเก็บสูงสุดใน 1 พาเลท (หน่วยบรรจุ)} \\ & = [120 / (\text{ความกว้างหน่วยบรรจุ})] \times [120 / (\text{ความยาวหน่วยบรรจุ})] \times [(125-15) / \\ & (\text{ความสูงหน่วยบรรจุ})] \end{aligned}$$

$$\begin{aligned} & \text{ปริมาณจัดเก็บเฉลี่ยต่อเดือน (พาเลท)} \\ & = (\text{ปริมาณจัดเก็บเฉลี่ยต่อเดือน}) / (\text{ปริมาณจัดเก็บสูงสุดใน 1 พาเลท}) \end{aligned}$$

แสดงผลการคำนวณและตำแหน่งจัดเก็บได้ดังต่อไปนี้

รหัสพืชผล	ขนาดหน่อมบรจ			ปริมาณจัดเก็บ เฉลี่ยต่อเดือน (หน่อมบรจ)	ปริมาณจัดเก็บ ใน 1 ไร่ (หน่อมบรจ)	ปริมาณจัดเก็บ เฉลี่ยต่อเดือน (ไร่)	ตำแหน่ง จัดเก็บ	ตำแหน่ง จัดเก็บ	ตำแหน่ง จัดเก็บ	ตำแหน่ง จัดเก็บ
	กว้าง (ซม.)	ยาว (ซม.)	สูง (ซม.)							
750401002	45	57	51	14	8	2.0	PJ0404	PJ0405		
750401009	33	46.5	10	167	80	2.0	PJ0301			
750401073	33	46.5	10	1,024	80	13.0	PH01	PH02		
750401076	34.5	46	10.5	3,296	80	41.0	PC01	PC02	PD	
750401077	33	48	51	48	16	3.0	PJ0401	PJ0402	PJ0403	
750401078	15	47	9.5	456	160	3.0	PJ0304	PJ0305	PK0304	PK0305
750401088	30	43	10	277	80	3.0	PK0301	PK0302	PK0303	
750401099	45	57	51	22	8	3.0	PK0403	PK0404	PK0405	
750401102	33	46.5	10	8	80	1.0	PT0304			
750401103	33	48	51	115	16	7.0	PJ0105	PJ02		
750401104	33	46.5	10	370	80	5.0	PJ0101	PJ0102	PJ0103	PJ0104
750401105	33	46.5	10	539	80	7.0	PK0105	PK02		
750401111	33.5	43.5	10	2,458	80	31.0	PG	PH03	PH04	
750401115	33	46.5	10	200	80	2.0	PK0401	PK0402		
750401120	30	43	10	37	80	1.0	PL0305			
750401121	31	60	28	56	16	4.0	PK0101			
750401122	31	60	28	15	16	1.0	PL0101			
750401143	33	48	51	24	16	2.0	PK0102			
750401144	34.5	46	10.5	57	80	1.0	PL0102			
750401145	33	48	51	3	16	1.0	PL0305			
750401150	33	48	51	37	16	2.0	PL0201	PL0202		
750401151	33	48	51	52	16	3.0	PL0301	PL0302	PL0303	
750401159	15	47	9.5	72	144	1.0	PK0103			
750401161	15	47	9.5	56	144	1.0	PL0103			
750401162	15	47	9.5	318	144	2.0	PL0203	PL0204		
750401163	30	48	27	26	24	1.0	PJ0302	PJ0303		
750401164	27	60	28	33	18	2.0	PL0403			
750401165	30	54	28	42	18	2.0	PL0401	PL0402		
750401170	33	48	51	63	16	4.0	PM0101	PM0102	PM0103	
750401177	34	47	29	194	24	8.0	PM0204	PM0205	PM03	
750401178	33	48.5	30	132	24	6.0	PM04			
750401181	15	47	9.5	55	144	1.0	PM0203			
750401200	33	48	51	8	16	1.0	PL0304			
750401202	33	48	51	15	16	1.0	PL0205			
750401204	33	48	51	10	16	1.0	PL0304			
750402001	33	48	51	112	16	7.0	PN02			
750402026	33.5	43.5	10	4,000	80	50.0	PE	PF		
750402100	33.5	43.5	10	4,800	80	60.0	PA	PB	PC03	PC04
750402103	33.5	43.5	10	120	80	1.0	PK0104			
750402104	33.5	43.5	10	561	80	7.0	PN0301	PN0302	PN0303	PN0304
750402107	15	47	9.5	86	144	1.0	PN0305			
750402112	33	48	51	336	16	21.0	PI			
750402121	45	57	51	70	8	8.0	PN01	PO0105		
750402122	45	57	51	39	8	5.0	PO0101	PO0102	PO0103	PO0104
750402127	34	43	10	140	70	2.0	PN0401			
750402128	28	43	10	22	80	1.0	PK0403			
750402134	34	43	10	140	70	2.0	PM0201			
750402137	34	47	29	74	24	3.0	PN0403	PN0404	PN0405	
750402149	33	48	51	8	16	1.0	PM0202			
750402150	33	48	51	10	16	1.0	PM0202			
750402151	33	48	51	10	16	1.0	PN0305			

รหัสพัสดุ	ขนาดหน่วยบรรจุ			ปริมาณจัดเก็บ เฉลี่ยต่อเดือน (หน่วยบรรจุ)	ปริมาณจัดเก็บ ใน 1 พาเลท (หน่วยบรรจุ)	ปริมาณจัดเก็บ เฉลี่ยต่อเดือน (พาเลท)	ตำแหน่ง จัดเก็บ	ตำแหน่ง จัดเก็บ	ตำแหน่ง จัดเก็บ	ตำแหน่ง จัดเก็บ
	กว้าง (ซม.)	ยาว (ซม.)	สูง (ซม.)							
750402152	33	48	51	27	16	1.0	PN0402			
750402153	33	48	51	74	16	4.0	PO02			
750402166	45	57	51	8	8	1.0	PT0305			
750403017	45	57	51	15	8	2.0	PL0405			
750403018	45	57	51	5	8	1.0	PL0404			
750411904	45	57	51	6	8	1.0	PM0105			
751010011	35	55	25	397	24	16.0	PP02	PP03	PP04	
751010012	35	55	25	96	24	4.0	PO0402	PO0403	PO0404	
751010030	35	55	25	24	24	1.0	PO0401			
751010035	35	55	25	12	24	1.0	PO0405			
751010038	35	55	25	6	24	1.00	PO0405			
751010044	35	55	25	120	24	5.0	PP0101	PP0102	PP0103	PP0104
751010055	35	55	25	19	24	1.0	PQ0305			
751010056	35	55	25	144	24	6.0	PQ03			
751010059	35	55	25	60	24	3.0	PO0301	PO0302		
751010062	35	55	25	144	24	6.0	PQ04			
751010180	35	55	25	72	24	3.0	PQ0203	PQ0204		
751010181	35	55	25	72	24	3.0	PQ0201	PQ0202		
751010219	35	55	25	72	24	3.0	PQ0101	PQ0102		
751010233	35	55	25	72	24	3.0	PQ0103	PQ0104		
751010244	35	55	25	24	24	1.0	PP0105			
751401005	40	60	45	50	12	4.0	PR0401	PR0402	PR0403	
751401018	40	60	45	30	12	2.0	PR0103			
751401019	40	60	45	146	12	12.0	PR0105	PR02	PR03	
751401025	40	60	45	23	12	2.0	PR0104			
751401039	40	60	45	6	12	1.0	PL0105			
751401046	40	60	45	33	12	3.0	PO0303	PO0304		
751401051	40	60	45	3	12	1.0	PT02			
751401060	40	60	45	3	12	1.0	PQ0205			
751401063	40	60	45	73	12	6.0	PR0101	PR0102		
751401064	40	60	45	11	12	1.0	PQ0105			
751401065	40	60	45	32	12	3.0	PQ0205	PR0404	PR0405	
751401070	40	60	45	12	12	1.0	PM0104			
751401071	40	60	45	2	12	1.0	PL0105			
751401072	40	60	45	31	12	2.0	PT0301	PT0302	PT0303	
840809002	35	35	25	37	36	1.0	PL0104			
<b>รวม</b>						<b>448.0</b>				

ดังนั้นพัสดุประเภท Packaging มีปริมาณจัดเก็บเฉลี่ยต่อเดือนเท่ากับ 448 พาเลท



## ภาคผนวก ข

การเก็บข้อมูลเวลาการดำเนินงานในขั้นตอนการรับและจัดเก็บพัสดุ

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุก่อนการปรับปรุง

วันที่	รับพัสดุ	ตรวจสอบ	สำรวจพื้นที่	นำพัสดุเข้าคลัง	ปรับพื้นที่	ติดแถบรหัส	จัดเรียงพัสดุ	บันทึกข้อมูล
2/3/2550	12.75	22.43	5.65	11.16	7.35	44.65	13.00	2.81
2/3/2550	31.21	48.69	11.11	28.23	18.70	100.81	29.81	3.55
2/3/2550	5.64	16.35	3.76	5.4	4.03	28.84	7.79	0.58
2/3/2550	3.05	8.86	2.19	2.81	2.04	15.61	4.23	1.61
2/3/2550	2.11	4.17	3.07	1.87	2.81	12.51	5.88	1.54
2/3/2550	4.87	5.16	2.15	4.63	4.20	15.48	6.35	0.85
2/3/2550	15.64	7.25	2.39	14.45	7.54	27.19	9.93	1.24
2/3/2550	15.06	29.05	3.61	13.79	11.77	55.48	15.38	3.65
2/3/2550	15.72	7.3	9.42	13.48	2.06	28.95	11.48	2.41
5/3/2550	6.29	3.27	3.77	6.05	4.85	17.12	8.62	1.69
6/3/2550	3.95	5.23	1.59	3.71	3.62	13.66	5.21	0.21
6/3/2550	8.29	12.19	3.87	8.05	4.23	26.40	8.10	1.15
6/3/2550	28.62	18.95	6.28	24.04	13.19	56.46	19.47	2.33
6/3/2550	7.82	15.53	5.51	7.58	3.60	30.77	9.11	3.62
6/3/2550	2.39	9.15	2.72	2.15	4.10	18.81	6.82	0.53
8/3/2550	2.21	0.76	1.74	1.97	1.67	6.07	3.41	0.72
8/3/2550	4.21	1.11	7.37	3.97	4.17	17.57	11.54	0.58
8/3/2550	6.78	17.64	8.48	6.54	9.86	43.90	18.34	3.10
8/3/2550	8.19	9.82	1.13	7.95	5.64	22.32	6.77	1.69
8/3/2550	8.08	14.17	3.14	7.84	5.17	28.53	8.31	1.47
8/3/2550	5.07	10.37	7.14	4.83	6.85	30.34	13.99	2.04
8/3/2550	4.56	8.13	7.63	4.32	6.16	27.59	13.79	1.57
8/3/2550	11.72	14.67	9.42	11.48	11.82	47.02	21.24	1.44
9/3/2550	3.05	4.12	7.92	2.81	4.47	21.08	12.39	1.32
9/3/2550	1.39	1.16	3.14	1.15	1.71	7.85	4.85	1.04
9/3/2550	8.31	21.43	7.12	8.07	4.11	39.57	11.23	2.74
9/3/2550	12.61	13.78	11.02	12.49	12.48	49.42	23.50	0.39
9/3/2550	13.82	15.28	10.24	13.70	13.26	51.54	23.50	0.80
9/3/2550	2.13	3.17	2.39	2.01	2.43	10.22	4.82	1.06
12/3/2550	7.19	17.45	5.38	7.07	9.27	39.33	14.65	1.18
12/3/2550	8.91	19.56	5.65	8.79	10.73	44.46	16.38	1.12
12/3/2550	5.47	1.47	1.45	5.35	3.43	10.28	4.88	0.56
12/3/2550	15.84	57.63	10.35	15.72	24.89	109.56	35.24	1.49
12/3/2550	4.78	7.63	3.73	4.66	5.20	21.15	8.93	1.08
12/3/2550	1.44	2.19	5.15	1.32	2.53	12.48	7.68	0.72
12/3/2550	2.19	5.13	9.64	2.07	4.76	24.19	14.39	1.32
13/3/2550	2.56	3.87	5.74	2.44	3.65	16.85	9.39	1.25
13/3/2550	1.27	3.21	1.05	1.15	1.67	7.22	2.72	0.46
13/3/2550	8.61	14.41	9.04	8.37	10.11	42.59	19.15	1.90
13/3/2550	14.69	8.35	5.45	14.42	10.73	35.85	16.18	0.97
13/3/2550	13.91	3.38	3.32	13.64	8.56	25.11	11.88	0.56
13/3/2550	8.19	9.41	6.08	7.92	7.90	30.91	13.98	1.12
14/3/2550	5.37	7.51	4.54	5.10	5.63	22.85	10.18	1.14
14/3/2550	6.32	9.51	6.10	6.05	7.00	28.98	13.10	1.01
14/3/2550	1.43	0.84	3.29	1.16	1.68	7.71	4.97	0.97
14/3/2550	2.37	3.97	3.76	2.10	3.05	13.60	6.81	0.82
14/3/2550	23.88	26.36	8.28	22.43	11.96	63.23	20.24	2.13
14/3/2550	4.76	7.57	9.53	4.53	6.60	30.06	16.13	0.77
14/3/2550	7.33	5.65	2.87	7.10	5.74	20.01	8.61	0.52
14/3/2550	6.14	13.14	9.33	5.91	8.63	38.61	17.97	0.78
14/3/2550	2.93	3.63	3.22	2.69	3.12	12.96	6.34	1.64
14/3/2550	9.71	3.95	3.04	9.47	6.54	20.72	9.58	0.41
15/3/2550	15.99	21.97	3.91	14.75	10.25	47.35	14.16	0.95
15/3/2550	7.32	8.85	2.85	7.08	3.68	20.61	6.53	0.58
15/3/2550	4.35	5.47	2.06	4.11	4.00	15.16	6.06	0.42
15/3/2550	11.81	21.83	9.12	11.57	4.46	44.65	13.58	3.45
15/3/2550	13.99	12.92	5.72	11.12	5.22	32.87	10.94	1.87
16/3/2550	23.27	31.24	13.92	19.03	7.95	69.15	21.87	1.46
16/3/2550	5.61	11.32	4.45	5.37	6.69	27.99	11.14	2.11
16/3/2550	9.57	8.85	11.87	9.33	9.91	40.79	21.78	0.79
16/3/2550	1.29	1.48	2.16	1.05	1.50	6.63	3.66	1.88
16/3/2550	13.53	10.01	11.06	13.29	11.97	45.51	23.03	0.96
19/3/2550	11.37	35.96	14.99	11.13	3.37	64.54	18.36	0.88
19/3/2550	11.34	31.45	11.83	11.1	4.60	57.60	16.43	1.26

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุก่อนการปรับปรุง (ต่อ)

วันที่	รับพัสดุ	ตรวจมอบ	สำรวจพื้นที่	นำพัสดุเข้าคลัง	ปรับพื้นที่	ติดแถบรหัส	จัดเรียงพัสดุ	บันทึกข้อมูล
19/3/2550	3.44	8.98	1.11	3.20	3.07	15.87	4.18	0.85
19/3/2550	15.93	19.94	9.88	15.69	5.48	47.05	15.36	0.73
19/3/2550	4.86	7.58	1.13	4.62	3.42	15.63	4.55	1.97
19/3/2550	11.76	13.18	8.48	11.52	2.76	33.04	11.24	1.36
19/3/2550	13.32	16.69	4.71	13.08	7.24	38.23	11.95	0.51
19/3/2550	9.33	15.94	8.24	9.09	2.41	33.86	10.65	1.84
19/3/2550	12.41	17.36	7.75	12.17	4.67	39.03	12.42	0.94
20/3/2550	0.95	3.86	1.33	0.71	1.71	8.08	3.04	0.49
20/3/2550	15.35	26.74	10.73	13.02	5.73	54.41	16.46	2.69
20/3/2550	14.51	18.21	4.86	12.70	7.71	40.73	12.57	1.44
20/3/2550	11.43	11.93	4.19	11.19	9.69	34.93	13.88	0.56
20/3/2550	2.91	5.86	1.55	2.67	3.25	13.25	4.80	0.53
20/3/2550	14.17	23.46	10.13	13.93	5.29	49.76	15.42	0.46
20/3/2550	5.28	14.93	5.98	5.04	7.81	34.74	13.79	1.67
20/3/2550	2.72	6.95	3.01	2.48	3.79	16.75	6.80	0.62
20/3/2550	0.93	1.43	1.29	0.69	1.09	4.80	2.38	0.48
21/3/2550	4.54	14.51	2.43	4.3	4.02	24.78	6.45	2.56
21/3/2550	6.21	8.49	4.71	5.97	6.35	25.35	11.06	0.52
21/3/2550	7.81	9.87	5.19	7.57	7.61	29.72	12.80	0.96
21/3/2550	10.43	11.32	4.35	8.70	4.35	26.98	8.70	1.77
21/3/2550	1.97	3.23	1.67	1.73	2.15	8.93	3.82	0.81
21/3/2550	3.25	9.81	2.35	3.01	2.26	17.13	4.61	1.41
22/3/2550	7.85	15.89	3.69	7.61	5.07	30.71	8.76	0.85
22/3/2550	14.15	11.99	3.62	12.91	7.05	32.09	10.67	2.08
23/3/2550	3.22	8.77	1.65	2.98	2.51	15.51	4.16	2.28
23/3/2550	15.73	23.29	12.45	13.86	3.88	51.10	16.33	0.25
23/3/2550	4.57	4.96	6.45	4.39	5.09	21.63	11.54	1.02
23/3/2550	7.44	7.42	5.68	5.89	6.61	26.10	12.28	1.11
23/3/2550	3.49	6.96	3.82	3.25	4.38	18.90	8.20	1.24
23/3/2550	5.77	6.23	5.92	4.65	5.64	23.29	11.56	2.61
23/3/2550	2.99	3.18	2.22	2.75	2.79	10.87	5.01	0.71
23/3/2550	7.28	9.71	1.59	7.04	6.41	23.28	8.00	1.58
23/3/2550	3.21	3.58	3.21	2.97	3.24	13.19	6.45	0.57
23/3/2550	12.74	11.99	10.68	12.5	6.11	39.28	16.79	0.88
23/3/2550	14.91	22.03	9.83	12.67	5.03	47.50	14.86	3.12
23/3/2550	7.27	16.91	3.11	7.03	5.47	31.21	8.58	0.87
23/3/2550	4.59	5.27	2.23	4.35	4.11	15.43	6.34	0.71
23/3/2550	9.72	12.86	11.61	9.48	10.92	45.82	22.53	0.68
26/3/2550	1.34	2.89	2.07	1.10	1.85	8.40	3.92	0.69
26/3/2550	2.59	3.12	3.85	2.35	2.98	12.89	6.83	0.79
27/3/2550	6.83	4.59	1.93	6.59	3.06	14.18	4.99	1.24
27/3/2550	1.76	2.27	1.29	1.52	1.71	6.84	3.00	1.11
27/3/2550	9.94	20.28	3.14	9.7	7.63	38.65	10.77	3.31
27/3/2550	2.74	3.88	3.03	2.5	3.04	12.77	6.07	1.78
27/3/2550	6.97	8.99	4.68	6.73	2.16	20.97	6.84	0.53
28/3/2550	0.86	4.47	1.07	0.62	1.76	8.37	2.83	1.80
28/3/2550	7.06	18.65	2.18	6.82	6.50	32.97	8.68	2.19
28/3/2550	1.37	1.75	1.86	1.13	1.53	6.61	3.39	1.41
29/3/2550	3.16	14.69	2.32	2.92	5.77	26.33	8.09	0.76
29/3/2550	2.76	3.34	3.62	2.52	3.06	13.01	6.68	1.35
29/3/2550	3.07	3.45	2.07	2.83	2.86	11.08	4.93	1.61
2/4/2550	14.75	16.97	10.47	14.51	3.71	42.00	14.18	0.84
2/4/2550	3.48	8.71	1.76	3.24	4.30	17.96	6.06	1.23
2/4/2550	9.91	7.37	1.59	9.67	5.55	21.18	7.14	2.39
2/4/2550	3.91	5.56	2.04	3.67	3.80	14.75	5.84	1.00
2/4/2550	7.25	14.26	3.65	7.01	4.39	27.88	8.04	1.64
2/4/2550	9.08	4.75	4.58	8.84	2.23	17.75	6.81	0.92
2/4/2550	0.96	1.27	1.19	0.72	1.04	4.47	2.23	1.14
2/4/2550	14.27	23.19	11.59	14.03	4.18	49.98	15.77	2.36
2/4/2550	1.19	1.57	3.69	0.95	1.85	9.03	5.54	0.47
2/4/2550	3.38	10.25	8.56	3.14	6.33	30.50	14.89	0.43
2/4/2550	9.57	8.25	5.47	9.33	2.69	23.17	8.16	1.16
2/4/2550	1.24	3.65	2.42	1.00	2.08	9.83	4.50	3.25
2/4/2550	2.37	5.41	1.39	2.13	2.83	11.80	4.22	0.71

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุก่อนการปรับปรุง (ต่อ)

วันที่	รับพัสดุ	ตรวจสอบ	สำรวจพื้นที่	นำพัสดุเข้าคลัง	ปรับพื้นที่	ติดแถบรหัส	จัดเรียงพัสดุ	บันทึกข้อมูล
2/4/2550	1.13	0.89	1.46	0.89	1.09	4.59	2.55	0.42
2/4/2550	6.49	12.15	4.29	6.25	7.30	29.82	11.59	0.78
3/4/2550	4.88	7.86	3.74	4.64	5.28	21.52	9.02	0.63
4/4/2550	3.27	5.59	2.82	3.03	3.68	15.29	6.50	0.73
4/4/2550	4.61	7.58	1.39	4.37	4.49	17.17	5.88	0.81
4/4/2550	1.72	3.32	1.08	1.48	1.90	7.85	2.98	0.94
4/4/2550	3.48	7.09	2.04	3.24	3.96	16.27	6.00	0.57
5/4/2550	0.89	0.74	1.05	0.65	0.83	3.48	1.88	0.77
5/4/2550	2.83	3.97	4.53	2.59	3.48	15.34	8.01	1.78
5/4/2550	12.37	14.03	1.22	12.13	8.72	32.58	9.94	1.84
5/4/2550	8.69	13.66	7.46	8.45	2.11	29.90	9.57	0.76
5/4/2550	11.48	25.34	6.77	11.24	6.94	48.15	13.71	4.27
5/4/2550	3.83	4.95	1.43	3.59	3.45	12.91	4.88	1.54
5/4/2550	6.24	21.07	7.57	6.00	2.85	36.91	10.22	0.77
6/4/2550	4.56	10.37	1.86	4.32	3.42	19.19	5.28	0.97
6/4/2550	1.27	3.52	1.23	1.03	1.76	7.84	2.99	0.47
6/4/2550	2.45	18.61	3.29	2.21	3.35	28.08	6.64	1.98
6/4/2550	2.56	13.19	4.11	2.32	5.55	26.48	9.66	0.77
6/4/2550	4.78	9.22	2.26	4.54	2.94	18.05	5.20	0.64
6/4/2550	3.84	4.76	1.68	3.60	3.47	13.06	5.15	1.72
6/4/2550	11.25	12.78	2.27	11.01	7.06	30.00	9.33	1.12
7/4/2550	3.22	5.75	2.43	2.98	3.60	14.83	6.03	0.54
7/4/2550	3.23	7.78	2.99	2.99	4.25	18.38	7.24	1.16
7/4/2550	10.96	19.28	5.84	10.72	5.86	39.33	11.70	1.84
7/4/2550	4.95	5.17	6.69	4.74	5.39	22.69	12.08	0.39
7/4/2550	1.34	0.84	1.12	1.13	1.11	4.24	2.23	0.41
7/4/2550	9.79	10.72	3.45	9.58	4.94	26.04	8.39	1.15
9/4/2550	5.46	14.69	3.53	5.25	3.70	26.41	7.23	0.67
9/4/2550	4.38	16.41	5.24	4.14	2.30	27.97	7.54	1.48
9/4/2550	13.97	22.75	8.02	13.73	6.60	47.95	14.62	1.03
9/4/2550	8.64	18.17	2.52	8.40	6.91	34.22	9.43	1.99
9/4/2550	5.60	1.93	2.64	5.36	3.88	12.82	6.52	2.76
9/4/2550	4.22	17.25	6.37	3.98	1.59	29.24	7.96	0.57
11/4/2550	7.43	3.04	7.55	7.19	6.30	24.01	13.85	0.78
11/4/2550	5.86	6.83	5.29	5.62	5.90	23.69	11.19	1.19
11/4/2550	10.66	22.71	3.29	10.42	8.48	42.69	11.77	3.38
11/4/2550	8.89	17.97	4.91	8.65	5.20	34.99	10.11	0.45
11/4/2550	6.57	15.13	6.29	6.33	2.29	29.08	8.58	0.70
11/4/2550	3.24	4.98	3.99	3.00	3.80	16.28	7.79	0.39
11/4/2550	1.82	1.00	2.24	1.58	1.66	6.73	3.90	1.51
11/4/2550	3.99	8.13	4.07	3.75	4.99	21.38	9.06	0.66
11/4/2550	5.78	5.10	3.56	5.54	1.44	14.17	5.00	1.04
11/4/2550	2.98	2.85	1.04	2.74	2.40	8.58	3.44	1.39
11/4/2550	3.73	4.95	2.92	3.49	3.77	15.12	6.69	1.08
11/4/2550	12.13	10.52	5.85	11.89	4.25	29.15	10.10	0.29
17/4/2550	4.56	6.99	3.58	4.32	4.86	19.76	8.44	0.17
17/4/2550	3.85	2.59	1.05	3.61	2.78	9.24	3.83	1.20
17/4/2550	4.75	12.56	4.37	4.62	2.21	23.12	6.58	0.96
17/4/2550	5.47	7.14	1.29	5.34	3.52	15.86	4.81	0.76
17/4/2550	12.49	3.10	7.66	12.36	1.24	20.44	8.90	0.94
18/4/2550	9.03	13.46	5.15	8.90	3.99	29.36	9.14	1.09
18/4/2550	2.23	11.53	5.87	2.10	5.43	26.74	11.30	0.70
18/4/2550	1.31	1.15	1.26	1.18	1.23	4.88	2.49	0.47
18/4/2550	1.84	2.04	3.42	1.71	2.25	10.02	5.67	0.77
18/4/2550	13.39	28.77	9.72	13.15	6.54	55.73	16.26	3.54
18/4/2550	0.49	1.81	2.29	0.25	1.21	6.37	3.50	0.47
18/4/2550	1.24	3.27	1.47	1.00	1.75	7.85	3.22	0.51
18/4/2550	12.32	17.93	9.42	12.08	3.52	40.20	12.94	1.37
18/4/2550	6.92	35.10	5.93	6.68	7.73	55.57	13.66	2.96
18/4/2550	4.58	6.03	2.53	4.34	4.37	16.89	6.90	0.69
19/4/2550	10.36	3.68	5.33	10.12	2.04	18.02	7.37	0.39
19/4/2550	4.35	11.39	3.42	4.11	2.40	20.78	5.82	2.51
19/4/2550	11.12	26.48	11.97	10.88	3.14	50.87	15.11	3.44
19/4/2550	7.62	8.72	5.85	7.38	1.54	21.71	7.39	0.40

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุก่อนการปรับปรุง (ต่อ)

วันที่	รับพัสดุ	ตรวจสอบ	สำรวจพื้นที่	นำพัสดุเข้าคลัง	ปรับพื้นที่	ติดแถบรหัส	จัดเรียงพัสดุ	บันทึกข้อมูล
19/4/2550	10.12	26.17	2.72	9.88	2.34	37.50	5.06	1.82
19/4/2550	2.81	5.43	1.83	2.64	3.18	13.05	5.01	0.76
19/4/2550	12.39	12.74	8.75	12.22	2.78	33.30	11.53	0.57
20/4/2550	1.72	2.88	1.61	1.55	1.94	8.14	3.55	0.75
20/4/2550	7.26	19.21	9.69	7.09	3.72	39.56	13.41	0.97
20/4/2550	7.11	17.54	1.52	6.87	1.39	24.67	2.91	3.48
20/4/2550	18.44	27.56	7.19	18.20	10.66	59.03	17.85	2.74
20/4/2550	10.96	18.61	6.38	10.78	5.30	38.65	11.68	1.01
23/4/2550	6.99	12.16	8.75	6.81	1.87	28.88	10.62	0.79
23/4/2550	9.33	6.80	7.01	9.15	1.27	21.77	8.28	0.35
23/4/2550	12.55	13.33	2.55	12.37	1.06	24.07	3.61	0.33
23/4/2550	2.56	13.26	4.47	2.38	3.29	24.19	7.76	0.99
23/4/2550	1.16	2.55	1.52	0.98	1.55	6.93	3.07	0.54
23/4/2550	2.37	3.08	1.37	2.19	2.25	8.75	3.62	0.65
23/4/2550	3.54	7.01	4.47	3.36	1.24	15.87	5.71	0.79
23/4/2550	10.04	13.47	2.93	9.80	1.95	24.53	4.88	1.17
23/4/2550	8.13	10.82	8.28	7.89	0.89	26.29	9.17	0.79
23/4/2550	1.36	2.62	1.34	1.12	1.61	6.93	2.95	0.20
23/4/2550	7.71	7.45	2.03	7.47	4.14	18.95	6.17	0.40
23/4/2550	11.56	16.45	2.13	11.32	8.24	35.13	10.37	2.17
23/4/2550	5.61	7.06	3.24	5.37	2.08	16.46	5.32	0.75
23/4/2550	18.18	31.25	4.62	15.94	1.56	47.50	6.18	0.99
23/4/2550	3.94	8.63	4.57	3.70	1.51	18.14	6.08	1.41
23/4/2550	1.43	10.75	3.55	1.19	3.04	19.64	6.59	0.34
23/4/2550	2.54	1.81	1.18	2.30	1.96	6.94	3.14	1.05
24/4/2550	7.79	35.73	4.92	7.55	2.22	48.49	7.14	2.37
24/4/2550	19.16	26.10	5.41	15.92	2.34	44.55	7.75	2.96
25/4/2550	18.16	27.40	5.55	17.92	2.81	46.87	8.36	1.81
25/4/2550	12.04	19.69	3.76	11.82	2.40	33.35	6.16	0.31
25/4/2550	4.42	6.88	1.81	4.20	2.52	14.44	4.33	0.59
25/4/2550	2.09	5.82	1.45	1.87	2.81	12.13	4.26	0.71
25/4/2550	4.96	9.85	3.29	4.74	2.42	19.41	5.71	0.55
25/4/2550	18.49	33.57	11.18	17.25	2.87	60.07	14.05	2.43
25/4/2550	6.18	19.74	1.47	5.03	3.08	28.22	4.55	0.72
25/4/2550	4.27	13.97	2.39	4.12	2.07	21.64	4.46	1.24
25/4/2550	2.72	4.99	1.33	2.57	2.90	11.60	4.23	0.45
25/4/2550	4.28	10.48	2.37	4.13	2.95	19.23	5.32	1.15
25/4/2550	4.83	3.98	2.41	4.59	3.95	14.29	6.36	0.96
25/4/2550	0.56	1.29	1.53	0.38	0.94	4.61	2.47	0.41
25/4/2550	6.37	4.23	2.54	6.21	2.30	13.42	4.84	0.57
25/4/2550	12.45	6.96	6.28	10.22	2.70	23.85	8.98	0.21
26/4/2550	7.31	11.37	8.13	7.10	0.35	25.57	8.48	0.55
26/4/2550	11.58	1.04	3.47	11.44	3.41	15.40	6.88	0.23
26/4/2550	15.51	11.43	4.07	15.34	7.52	33.63	11.59	0.95
26/4/2550	3.81	8.85	3.83	3.62	1.20	16.99	5.03	0.57
26/4/2550	13.36	12.66	7.38	11.96	3.96	33.17	11.34	0.56
27/4/2550	6.49	3.21	3.39	6.28	1.45	12.46	4.84	0.50
27/4/2550	1.77	3.48	2.54	1.53	2.33	10.39	4.87	0.78
27/4/2550	24.89	41.67	8.58	21.65	2.55	67.21	11.13	1.62
27/4/2550	1.84	5.39	2.98	1.60	1.35	11.67	4.33	0.98
27/4/2550	1.54	1.37	1.13	1.30	1.34	5.16	2.47	1.25
Mean	7.19	11.15	4.62	6.77	4.44	25.97	9.06	1.22
StDev	5.32	8.96	3.06	4.94	3.12	16.13	5.20	0.82
Max	31.21	57.63	14.99	28.23	24.89	109.56	35.24	4.27
Min	0.49	0.74	1.04	0.25	0.35	3.48	1.88	0.17

ตารางที่ ข.2 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุหลังการปรับปรุง

วันที่	รับพัสดุ	ตรวจสอบ	นำพัสดุเข้าคลัง	แยกจัดรายวัน	หาตำแหน่ง	จัดเรียงพัสดุ	บันทึกข้อมูล
3/8/2550	15.79	25.31	14.36	1.74	1.37	41.10	1.69
3/8/2550	3.37	10.45	2.94	2.92	1.22	13.82	1.35
3/8/2550	1.68	2.95	1.25	1.96	1.16	4.63	1.76
3/8/2550	1.88	0.81	1.45	1.38	1.08	2.69	1.58
3/8/2550	4.29	3.06	3.86	11.21	2.31	22.05	2.38
3/8/2550	21.78	37.52	17.35	15.55	2.24	59.30	2.04
3/8/2550	7.74	4.21	6.31	6.09	1.83	11.95	1.71
3/8/2550	5.51	7.03	4.08	16.62	1.92	12.54	2.29
3/8/2550	2.87	3.24	1.44	7.55	1.39	6.11	1.55
3/8/2550	4.58	6.96	3.15	14.69	1.45	11.54	1.93
4/8/2550	8.13	5.16	6.7	4.66	1.09	13.29	1.58
4/8/2550	5.42	3.52	3.99	12.93	1.12	8.94	0.81
4/8/2550	1.81	0.88	1.71	4.40	0.93	2.69	1.15
4/8/2550	9.57	2.44	7.14	3.59	0.96	12.01	1.93
4/8/2550	2.89	4.23	2.46	3.19	1.11	7.12	1.72
4/8/2550	0.93	1.13	0.73	0.93	0.99	2.06	1.98
4/8/2550	1.78	2.78	1.89	2.08	1.39	4.56	0.70
6/8/2550	3.63	6.92	3.25	4.60	0.98	10.55	0.87
6/8/2550	2.03	7.55	1.96	3.85	1.09	9.58	1.24
6/8/2550	6.34	8.59	4.91	6.61	0.97	14.93	1.53
6/8/2550	17.62	12.83	14.19	18.09	1.83	15.23	2.45
6/8/2550	1.24	0.73	1.15	1.04	1.17	1.97	1.21
6/8/2550	6.51	12.01	5.08	19.60	2.03	18.52	2.22
6/8/2550	0.86	1.11	0.76	0.91	0.98	1.97	1.33
8/8/2550	0.98	1.83	0.75	1.12	1.01	2.61	1.77
8/8/2550	1.46	2.01	1.23	1.57	1.43	3.47	1.18
8/8/2550	2.06	2.48	1.83	2.12	1.24	4.54	1.84
8/8/2550	3.04	4.96	2.61	20.53	1.79	8.00	2.31
8/8/2550	1.57	1.98	1.55	15.30	1.56	3.55	1.93
9/8/2550	2.24	7.94	2.11	4.10	1.05	10.18	1.29
9/8/2550	1.36	2.23	1.33	24.60	2.34	4.92	2.72
9/8/2550	7.12	13.57	5.69	8.79	1.93	26.38	1.42
9/8/2550	1.47	0.59	1.45	1.17	1.46	3.51	1.03
9/8/2550	4.98	4.26	3.55	25.58	1.66	12.79	2.39
9/8/2550	1.13	1.18	1.01	1.11	1.93	3.32	2.68
9/8/2550	2.88	2.17	1.85	2.30	1.35	6.90	1.13
14/8/2550	6.35	3.57	4.92	4.95	0.97	14.84	1.06
14/8/2550	2.33	5.76	1.96	20.10	1.67	10.05	1.98
14/8/2550	19.41	50.58	16.98	28.99	1.64	69.99	2.59
14/8/2550	1.54	5.15	1.3	7.99	1.39	7.99	1.08
14/8/2550	0.96	0.89	0.95	2.80	1.24	2.80	1.43
14/8/2550	0.72	1.33	0.71	2.76	1.19	2.76	1.27
14/8/2550	0.85	1.74	0.84	3.43	1.02	3.43	1.03
14/8/2550	10.69	4.02	8.26	22.97	1.17	22.97	1.25
14/8/2550	1.63	1.64	1.42	4.69	0.98	4.69	1.61
14/8/2550	7.88	16.96	6.45	10.43	1.63	24.84	2.11
15/8/2550	1.42	3.75	1.39	6.56	1.11	6.56	1.22
15/8/2550	0.92	0.97	0.89	2.78	1.13	2.78	1.48
15/8/2550	0.89	0.69	0.86	2.44	1.25	2.44	1.54
15/8/2550	1.04	2.33	1.01	4.38	2.08	4.38	2.57
15/8/2550	3.51	3.04	3.48	3.34	1.16	10.03	1.33
16/8/2550	11.17	29.73	11.14	6.21	1.07	40.90	1.54
16/8/2550	9.71	8.33	9.68	6.03	1.01	18.04	1.83
16/8/2550	1.54	1.46	1.51	13.53	1.29	4.51	1.36
16/8/2550	4.07	10.81	4.04	6.31	1.33	14.88	1.45
16/8/2550	1.46	4.89	1.43	15.56	1.14	7.78	1.79
16/8/2550	0.67	0.68	0.64	1.99	1.04	1.99	1.11
16/8/2550	2.29	4.14	2.26	8.69	0.93	8.69	1.32
16/8/2550	4.79	9.36	4.76	18.91	1.27	14.15	1.27
16/8/2550	1.03	1.12	1.02	2.15	1.86	3.17	2.18
16/8/2550	3.34	1.78	3.31	8.43	0.96	8.43	1.52
17/8/2550	4.11	3.07	4.08	3.75	0.98	11.26	1.35
17/8/2550	0.79	1.11	0.76	2.66	1.02	2.66	1.16
17/8/2550	2.82	3.61	2.79	9.22	2.11	9.22	2.36

ตารางที่ ข.2 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุหลังการปรับปรุง (ต่อ)

วันที่	รับพัสดุ	ตรวจสอบ	นำพัสดุเข้าคลัง	แยกคิดรายวัน	นำส่งแผนก	จัดเรียงพัสดุ	บันทึกข้อมูล
17/8/2550	21.12	37.45	19.69	26.09	2.52	58.57	2.52
17/8/2550	2.81	2.44	2.38	2.54	0.99	7.63	1.27
17/8/2550	4.28	5.79	3.85	4.64	2.32	13.92	2.66
17/8/2550	6.97	4.31	6.54	5.94	0.97	17.82	1.21
17/8/2550	4.93	5.95	4.52	5.13	1.08	15.40	1.36
17/8/2550	3.84	12.67	3.41	6.64	1.69	19.92	2.18
17/8/2550	2.53	5.19	2.36	3.36	1.07	10.08	1.27
17/8/2550	11.56	4.49	10.13	8.73	2.25	26.18	2.49
17/8/2550	2.46	2.59	2.03	2.36	1.06	7.08	0.79
17/8/2550	5.94	1.69	5.51	4.38	1.44	13.14	1.03
17/8/2550	1.59	7.81	1.46	3.62	1.13	10.86	0.94
20/8/2550	21.28	45.04	19.85	28.72	1.21	66.32	1.39
20/8/2550	5.06	2.62	4.63	4.10	1.37	12.31	0.99
20/8/2550	0.67	0.96	0.64	2.27	0.96	2.27	1.08
20/8/2550	2.02	4.07	1.79	7.88	1.09	7.88	1.14
20/8/2550	0.65	1.12	0.52	2.29	0.87	2.29	1.39
20/8/2550	10.37	6.97	9.94	9.09	1.28	17.34	0.96
21/8/2550	1.03	2.64	0.99	4.66	1.05	4.66	0.78
21/8/2550	1.01	5.15	0.88	7.04	1.57	7.04	1.95
21/8/2550	4.84	8.15	4.41	5.80	1.12	12.99	1.31
21/8/2550	3.65	2.92	3.22	3.26	1.41	9.79	1.15
21/8/2550	1.12	2.46	0.99	1.52	1.06	4.57	1.11
21/8/2550	0.85	1.06	0.72	0.88	0.94	2.63	1.23
21/8/2550	4.58	1.64	4.43	3.54	1.43	10.63	1.71
22/8/2550	6.38	17.58	5.85	29.61	2.14	23.96	2.48
22/8/2550	8.27	4.99	7.74	21.00	1.92	13.26	2.42
22/8/2550	7.73	11.17	7.31	26.21	2.31	18.90	2.53
23/8/2550	3.54	4.54	3.41	11.49	1.36	11.49	1.75
23/8/2550	0.69	3.36	0.56	4.61	1.45	4.61	1.88
23/8/2550	1.58	4.89	1.45	7.92	1.09	7.92	1.21
23/8/2550	4.82	9.09	4.69	18.60	1.79	13.91	1.96
23/8/2550	1.18	4.28	1.05	6.51	1.29	6.51	1.37
23/8/2550	4.24	7.74	4.11	16.09	2.46	11.98	2.62
23/8/2550	10.18	3.48	10.05	23.71	1.14	23.71	1.35
24/8/2550	5.33	2.42	5.22	12.97	0.97	12.97	1.42
24/8/2550	3.68	2.78	3.57	20.06	1.24	10.03	1.98
24/8/2550	0.77	1.05	0.71	7.59	1.47	2.53	1.95
24/8/2550	1.56	0.96	1.53	4.05	0.86	4.05	1.36
24/8/2550	3.13	4.67	3.07	32.61	1.65	7.80	2.05
24/8/2550	5.74	4.04	5.68	15.46	0.91	15.46	1.44
27/8/2551	4.18	2.61	4.11	10.90	1.32	10.90	0.96
27/8/2551	9.97	31.89	8.89	16.92	1.49	41.86	2.27
28/8/2551	1.07	2.68	1.03	1.59	1.06	4.78	1.51
28/8/2551	0.93	4.59	0.86	6.38	1.25	6.38	1.85
28/8/2551	0.52	0.66	0.48	0.55	0.87	1.66	0.73
28/8/2551	6.85	7.27	6.78	6.97	1.43	14.12	2.16
28/8/2551	1.08	2.89	1.01	1.66	0.89	4.98	0.82
28/8/2551	1.42	1.46	1.35	4.23	1.96	4.23	2.73
28/8/2551	1.73	1.11	1.71	4.55	1.24	4.55	0.71
28/8/2551	2.76	3.44	2.74	8.94	0.95	8.94	1.11
29/8/2551	3.93	3.63	3.91	11.47	1.09	11.47	0.87
29/8/2551	1.92	6.98	1.49	10.39	1.25	10.39	2.52
29/8/2551	6.49	18.96	6.06	31.51	1.27	25.45	2.69
29/8/2551	0.51	0.91	0.49	1.91	0.93	1.91	1.39
30/8/2551	0.84	2.68	0.81	4.33	1.26	4.33	2.16
3/9/2550	2.79	0.96	2.73	12.96	1.06	6.48	1.17
3/9/2550	1.13	1.27	1.07	10.41	0.99	3.47	0.97
3/9/2550	2.18	4.46	2.12	17.52	1.05	8.76	1.28
3/9/2550	3.27	4.15	3.21	10.63	2.01	7.42	2.09
3/9/2550	3.82	7.16	3.73	29.42	2.82	10.98	2.68
3/9/2550	0.65	1.36	0.56	2.57	1.12	2.57	1.08
3/9/2550	13.78	6.27	13.69	22.49	2.08	20.05	2.21
3/9/2550	2.41	1.89	2.32	6.62	1.27	6.62	1.37
3/9/2550	10.35	5.46	10.26	8.69	0.93	15.81	0.82

ตารางที่ ข.2 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุหลังการปรับปรุง (ต่อ)

วันที่	รับพัสดุ	ตรวจสอบ	นำพัสดุเข้าคลัง	แยกจัดพัสดุ	หาค่าแบ่ง	จัดเรียงพัสดุ	บันทึกข้อมูล
4/9/2550	2.44	11.36	2.35	5.38	1.29	16.15	0.77
4/9/2550	3.73	11.14	3.64	6.17	0.98	18.51	0.96
4/9/2550	1.53	2.47	1.49	5.49	1.11	5.49	1.13
4/9/2550	6.09	15.69	5.97	9.25	1.23	21.78	1.01
4/9/2550	2.81	1.83	2.72	7.36	1.07	7.36	0.79
4/9/2550	9.84	18.78	8.75	12.46	1.54	28.62	2.71
4/9/2550	10.85	6.86	10.76	9.49	0.94	17.71	0.84
4/9/2550	0.79	0.75	0.74	4.56	1.06	2.28	0.99
4/9/2550	0.76	0.58	0.67	0.67	0.99	2.01	0.81
4/9/2550	1.89	1.39	1.72	5.00	1.32	5.00	1.12
4/9/2550	14.09	4.92	13.92	10.98	1.26	19.01	1.06
4/9/2550	4.05	1.52	3.96	3.18	1.39	9.53	0.92
5/9/2550	1.31	1.23	1.22	1.25	1.04	3.76	0.77
5/9/2550	1.28	6.22	1.19	8.69	1.28	8.69	1.68
5/9/2550	17.49	37.69	17.4	24.19	1.58	55.18	2.38
5/9/2550	6.45	5.01	6.36	5.94	1.39	17.82	1.52
5/9/2550	4.03	2.96	3.96	10.95	1.12	10.95	1.28
5/9/2550	11.72	15.53	11.65	12.97	2.04	27.25	2.46
5/9/2550	1.84	7.87	1.77	11.48	1.71	11.48	1.79
6/9/2551	12.21	13.74	11.78	12.58	1.69	25.95	2.51
6/9/2551	6.25	5.21	5.82	5.76	1.26	17.28	1.52
6/9/2551	1.18	2.59	1.15	4.92	1.03	4.92	1.34
6/9/2551	0.56	3.19	0.53	4.28	1.21	4.28	1.04
7/9/2552	0.71	0.77	0.68	2.16	0.89	2.16	1.18
10/9/2553	3.75	10.52	3.32	17.59	2.47	14.27	2.74
10/9/2553	11.87	46.89	11.44	34.84	1.65	58.76	2.47
10/9/2553	4.02	9.43	3.59	17.04	1.47	13.45	1.97
10/9/2553	2.68	2.65	2.25	7.58	0.84	5.33	1.23
10/9/2553	1.84	1.74	1.41	4.99	0.86	4.99	1.16
10/9/2553	8.41	11.15	7.98	27.54	0.82	19.56	1.51
10/9/2553	1.88	6.27	1.45	9.60	1.19	8.15	2.02
10/9/2553	11.48	2.54	11.05	25.07	1.25	14.02	0.98
10/9/2553	2.35	1.78	1.92	6.05	0.92	6.05	0.74
10/9/2553	5.35	4.04	4.92	14.31	0.87	14.31	1.06
11/9/2553	3.27	5.64	2.84	11.75	0.91	11.75	1.18
11/9/2553	1.34	7.77	1.31	10.42	1.35	9.11	2.04
11/9/2553	10.31	4.93	8.88	24.12	0.88	15.24	1.76
11/9/2553	7.34	20.26	6.91	34.51	2.87	27.60	2.62
11/9/2553	16.34	11.18	15.91	43.43	1.73	27.52	2.48
12/9/2553	8.06	7.48	6.63	7.39	0.87	15.54	0.78
12/9/2553	1.28	2.71	1.25	5.24	1.06	3.99	1.33
12/9/2553	15.25	33.07	13.82	20.71	1.79	48.32	2.21
12/9/2553	0.88	1.21	0.76	11.40	0.95	2.85	1.21
12/9/2553	4.97	5.22	4.54	4.91	0.92	10.19	2.05
12/9/2553	0.69	1.64	0.63	2.96	0.83	2.96	0.97
12/9/2553	0.81	3.72	0.79	1.77	0.95	5.32	1.01
12/9/2553	2.52	5.73	2.09	3.45	1.17	8.25	1.42
12/9/2553	7.83	6.14	7.42	21.39	0.83	21.39	1.18
12/9/2553	5.23	6.27	4.99	5.50	0.81	16.49	1.41
12/9/2553	12.06	5.13	10.63	9.27	0.86	17.19	1.32
13/9/2553	1.98	2.75	1.85	6.58	0.95	6.58	0.83
13/9/2553	10.94	14.73	9.51	11.73	0.88	25.67	1.84
13/9/2553	1.61	1.31	1.48	1.47	0.87	4.40	1.36
13/9/2553	3.48	3.17	3.05	9.70	0.95	9.70	1.17
13/9/2553	5.17	6.31	4.94	16.42	2.16	11.48	2.14
13/9/2553	1.51	1.99	1.28	4.78	1.56	4.78	1.89
13/9/2553	9.31	6.29	7.88	7.83	0.89	15.60	1.19
14/9/2553	9.23	13.56	7.82	10.20	0.82	22.79	1.03
14/9/2553	1.56	10.15	1.54	13.25	1.22	11.71	1.95
14/9/2553	3.29	3.01	2.86	9.16	0.83	6.30	0.78
14/9/2553	0.91	2.61	0.78	4.30	0.84	3.52	0.93
14/9/2553	10.32	3.34	8.89	22.55	0.75	13.66	0.75
14/9/2553	1.45	1.98	1.22	4.65	0.88	3.43	1.24
14/9/2553	3.46	5.72	3.03	12.21	0.83	9.18	0.82



ตารางที่ ข.2 แสดงเวลาในขั้นตอนการรับและจัดเก็บพัสดุหลังการปรับปรุง (ต่อ)

วันที่	รับพัสดุ	ตรวจสอบ	นำพัสดุเข้าคลัง	แยกจัดพัสดุ	หาตำแหน่ง	จัดเรียงพัสดุ	บันทึกข้อมูล
17/9/2553	12.28	15.34	10.85	38.47	1.57	27.62	2.03
17/9/2553	1.78	3.62	1.55	6.95	0.84	6.95	0.88
17/9/2553	10.34	37.52	8.91	18.92	0.83	47.86	1.71
17/9/2553	0.82	1.25	0.81	2.88	1.39	2.88	1.87
17/9/2553	1.16	0.82	1.13	3.11	0.77	3.11	1.07
18/9/2553	0.98	0.64	0.85	2.47	0.71	2.47	0.86
18/9/2553	21.31	51.08	18.88	30.42	1.18	72.39	2.19
18/9/2553	3.18	12.86	2.75	18.79	1.21	16.04	2.04
18/9/2553	0.77	0.61	0.75	2.13	0.81	2.13	1.23
18/9/2553	3.79	5.73	3.36	12.88	1.25	9.52	2.19
18/9/2553	1.74	1.29	1.31	4.34	0.93	4.34	1.83
18/9/2553	13.45	24.15	12.02	16.54	0.63	37.60	1.03
18/9/2553	1.56	0.94	1.55	4.05	0.79	4.05	1.12
18/9/2553	3.55	15.09	3.12	21.76	1.92	18.64	2.65
18/9/2553	1.01	4.14	0.98	6.13	0.73	6.13	0.98
19/9/2553	1.79	2.87	1.78	6.44	0.84	6.44	0.89
19/9/2553	1.82	2.91	1.69	6.42	1.88	6.42	2.08
20/9/2554	1.78	3.29	1.35	6.42	1.09	6.42	1.88
20/9/2554	7.12	13.07	5.69	8.63	0.84	20.19	0.96
20/9/2554	1.85	1.12	1.72	9.38	0.94	4.69	1.84
20/9/2554	8.79	21.09	7.36	12.41	1.44	29.88	2.16
20/9/2554	1.02	0.97	0.98	2.97	0.81	2.97	1.16
20/9/2554	1.88	5.08	1.45	8.41	0.79	6.96	1.04
20/9/2554	1.74	3.53	1.68	6.95	2.52	5.27	2.74
20/9/2554	7.96	1.84	6.53	16.33	0.73	16.33	1.27
20/9/2554	5.62	1.26	4.19	11.07	0.69	6.88	1.16
20/9/2554	4.15	8.33	3.72	16.20	1.58	12.48	2.32
20/9/2554	1.16	1.94	1.11	1.40	0.87	4.21	0.91
21/9/2554	3.08	7.91	2.65	4.55	0.44	10.99	0.97
21/9/2554	3.66	6.13	3.23	4.34	0.77	9.79	0.85
21/9/2554	8.64	18.93	7.21	34.78	1.36	27.57	2.24
21/9/2554	8.56	17.05	7.13	32.74	2.42	25.61	2.63
21/9/2554	0.72	0.61	0.65	1.98	0.79	1.98	0.83
21/9/2554	0.47	2.79	0.44	3.70	0.86	3.70	0.98
21/9/2554	3.17	15.93	2.74	21.84	1.87	19.10	2.04
21/9/2554	3.93	3.18	3.06	10.17	0.79	7.11	0.93
21/9/2554	1.29	4.97	1.16	7.42	0.64	6.26	1.11
21/9/2554	6.38	7.33	5.95	6.55	0.73	13.71	1.04
21/9/2554	10.79	5.04	9.36	8.40	0.69	15.83	0.81
21/9/2554	3.14	1.92	2.71	7.77	0.86	5.06	1.02
24/9/2555	1.91	15.42	1.48	6.27	1.19	17.33	2.31
24/9/2555	0.94	0.98	0.87	2.79	0.86	2.79	0.71
24/9/2555	0.57	3.15	0.55	4.27	0.62	3.72	0.88
24/9/2555	21.26	46.87	19.83	76.19	2.58	68.13	2.75
24/9/2555	2.87	4.86	2.44	10.17	0.76	7.73	1.09
24/9/2555	1.86	1.14	1.43	4.43	2.43	4.43	2.71
24/9/2555	1.73	1.78	1.63	1.71	0.77	3.51	0.71
24/9/2555	4.75	3.14	3.32	11.21	2.12	7.89	2.38
24/9/2555	1.83	8.66	1.42	11.91	0.81	10.49	1.13
25/9/2555	4.23	6.88	3.82	14.93	0.82	11.11	1.02
25/9/2555	0.65	1.42	0.55	2.62	0.73	2.07	0.87
25/9/2555	1.97	2.43	1.87	6.27	0.88	4.40	0.66
25/9/2555	0.91	1.49	0.78	3.18	2.33	2.40	2.44
Mean	4.57	6.94	4.11	10.08	1.27	12.66	1.54
StDev	4.54	9.07	4.13	9.39	0.47	12.65	0.59
Max	21.73	51.08	19.85	76.19	2.87	72.39	2.75
Min	0.47	0.58	0.44	0.55	0.44	1.66	0.66

## **ภาคผนวก ช**

**การเก็บข้อมูลเวลาการดำเนินงานในขั้นตอนการเบิกจ่ายพัสดุ**

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการเบิกจ่ายพัสดุก่อนการปรับปรุง

วันที่	ตรวจสอบ ใบเบิก	ตรวจจำนวน พัสดุ	ลงรายละเอียด	หนีบทัด	ตรวจสอบ	เตรียมส่ง	รอส่ง	บันทึกข้อมูล
1/3/2550	0.09	2.00	1.46	5.65	2.61	6.69	12.16	0.90
1/3/2550	0.18	1.72	1.09	11.48	3.38	5.05	2.82	2.22
1/3/2550	0.51	1.64	0.68	12.49	4.77	9.93	9.30	2.30
1/3/2550	0.22	2.02	0.63	7.88	4.87	15.12	4.88	2.20
1/3/2550	0.19	1.31	0.91	6.46	4.52	17.07	8.73	2.25
5/3/2550	0.18	1.68	1.11	11.04	1.37	10.81	3.97	1.29
5/3/2550	0.09	0.91	1.41	15.30	4.58	10.64	9.66	1.41
5/3/2550	0.11	1.10	0.65	7.38	0.74	17.58	11.34	1.60
5/3/2550	0.15	0.80	1.76	14.65	1.11	10.13	3.39	1.28
5/3/2550	0.29	0.83	1.41	8.48	4.21	15.74	5.90	2.32
6/3/2550	0.29	1.48	0.60	17.06	2.62	15.43	6.21	1.67
6/3/2550	0.23	1.41	0.65	19.66	0.78	6.33	6.57	1.57
6/3/2550	0.22	2.05	0.93	16.36	4.92	13.67	2.03	1.91
6/3/2550	0.53	1.83	0.51	4.85	1.54	8.43	4.38	1.54
6/3/2550	0.18	1.49	0.99	10.29	3.84	11.29	3.41	1.03
7/3/2550	0.31	1.65	0.53	12.70	1.50	7.32	11.47	2.48
7/3/2550	0.39	2.13	1.01	10.20	2.85	12.33	6.12	2.37
7/3/2550	0.42	1.89	1.13	5.59	4.88	17.57	3.18	1.00
7/3/2550	0.25	0.80	0.75	10.25	4.35	11.41	9.86	2.07
7/3/2550	0.53	0.65	1.06	21.36	1.20	17.34	4.03	1.11
8/3/2550	0.34	0.67	1.06	12.43	1.02	12.87	4.46	1.28
8/3/2550	0.20	1.77	0.75	13.81	2.28	12.45	2.45	1.83
8/3/2550	0.34	2.17	1.34	14.11	1.95	12.20	7.00	1.04
8/3/2550	0.12	0.85	1.10	6.06	4.92	6.24	5.45	0.97
8/3/2550	0.38	1.55	1.18	10.06	1.59	14.19	6.66	1.47
12/3/2550	0.44	1.98	1.25	13.46	1.92	8.08	12.08	2.17
12/3/2550	0.43	1.50	1.43	10.98	1.89	10.95	10.65	2.26
12/3/2550	0.23	1.08	1.21	18.65	3.91	12.44	11.20	1.49
12/3/2550	0.41	1.82	0.80	21.28	3.75	16.36	9.23	2.41
12/3/2550	0.52	1.34	0.59	16.99	5.15	6.62	11.68	1.72
13/3/2550	0.35	1.22	1.02	19.54	2.68	17.70	3.05	2.37
13/3/2550	0.38	2.14	0.57	18.20	0.83	4.41	11.65	2.09
13/3/2550	0.45	0.77	1.06	13.08	3.36	14.21	10.79	2.08
13/3/2550	0.47	1.25	0.62	17.65	1.36	8.56	7.43	2.08
13/3/2550	0.27	1.99	0.73	9.80	4.68	16.53	2.39	2.44
14/3/2550	0.35	2.02	1.38	18.44	2.71	17.47	6.91	2.33
14/3/2550	0.44	0.94	0.65	13.38	2.71	10.36	2.75	1.39
14/3/2550	0.25	1.02	1.75	7.45	0.93	10.60	7.54	2.15
14/3/2550	0.24	0.62	1.73	8.99	3.22	10.25	10.32	0.93
14/3/2550	0.16	0.95	1.74	20.02	4.16	11.09	6.67	1.69
15/3/2550	0.53	1.05	1.29	9.03	5.12	9.22	8.01	1.75
15/3/2550	0.17	1.81	1.52	7.86	0.71	14.38	9.24	2.43
15/3/2550	0.45	0.85	0.71	19.08	4.77	5.97	8.27	1.48
15/3/2550	0.19	1.39	1.48	16.91	4.21	15.37	2.08	1.96
15/3/2550	0.22	0.99	0.84	14.10	2.69	15.47	10.69	1.27
19/3/2550	0.15	0.92	1.21	16.77	1.60	7.74	5.82	1.05
19/3/2550	0.46	0.96	1.14	17.59	2.37	6.06	3.20	1.66
19/3/2550	0.21	1.19	1.39	13.08	1.82	5.57	4.20	1.35
19/3/2550	0.47	1.27	0.52	12.62	1.58	11.32	9.47	2.47
19/3/2550	0.24	1.18	0.85	12.28	3.59	7.49	11.65	1.40
20/3/2550	0.42	0.79	1.70	20.03	4.03	2.02	12.22	1.14
20/3/2550	0.23	1.40	1.05	13.77	1.57	5.45	11.67	1.08
20/3/2550	0.22	0.90	1.59	10.84	3.34	11.20	8.05	1.84
20/3/2550	0.20	0.90	1.75	18.33	4.81	9.14	9.14	1.64
20/3/2550	0.22	0.78	1.11	21.00	3.05	9.97	5.90	1.54
21/3/2550	0.53	1.48	1.17	5.68	4.23	4.83	6.16	2.31
21/3/2550	0.09	0.75	1.46	11.27	4.46	11.62	4.49	0.95

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการเบิกจ่ายพัสดุก่อนการปรับปรุง (ต่อ)

วันที่	ตรวจคอม ใบเบิก	ตรวจจำนวน พัสดุ	ลงรายละเอียด	หนีบทัด	ตรวจคอม	เตรียมส่ง	รอส่ง	บันทึกข้อมูล
21/3/2550	0.51	1.30	1.17	9.77	0.91	13.10	8.57	1.36
21/3/2550	0.43	1.14	0.86	12.52	0.85	11.06	9.15	1.32
21/3/2550	0.23	1.58	0.75	8.78	4.02	5.45	2.52	2.16
22/3/2550	0.15	1.71	1.31	19.64	2.53	5.31	5.13	1.00
22/3/2550	0.41	1.71	1.30	21.32	0.99	13.82	3.21	2.28
22/3/2550	0.34	1.69	1.50	21.35	3.29	6.14	10.06	1.37
22/3/2550	0.21	2.08	1.62	12.76	5.15	6.39	10.27	1.45
22/3/2550	0.24	0.66	1.68	21.36	1.12	8.28	2.60	2.02
26/3/2550	0.22	1.83	1.69	10.09	2.94	17.79	8.66	2.23
26/3/2550	0.21	1.37	0.96	5.48	1.80	15.46	5.24	2.35
26/3/2550	0.18	1.67	0.63	6.02	4.57	15.97	6.28	1.10
26/3/2550	0.11	1.36	1.35	20.13	1.84	3.01	10.54	1.82
26/3/2550	0.18	2.05	0.82	15.21	4.83	7.02	7.71	2.05
27/3/2550	0.36	1.30	0.62	20.84	1.15	7.54	8.52	1.14
27/3/2550	0.08	1.07	1.26	11.95	1.82	13.27	4.67	2.29
27/3/2550	0.19	0.96	1.55	10.52	0.77	5.15	11.59	1.05
27/3/2550	0.09	0.94	0.56	14.21	1.07	17.58	11.63	1.05
27/3/2550	0.21	1.98	0.80	5.16	3.36	11.93	9.65	0.91
28/3/2550	0.53	0.73	0.87	8.68	4.88	6.34	10.11	1.06
28/3/2550	0.44	1.30	0.63	17.39	3.89	3.75	4.57	1.12
28/3/2550	0.24	0.98	0.72	18.84	1.69	10.42	3.97	2.15
28/3/2550	0.26	0.75	0.59	11.30	0.88	3.08	9.39	1.33
28/3/2550	0.33	1.48	0.94	8.89	1.02	12.88	8.74	1.00
29/3/2550	0.32	0.81	1.47	9.13	4.89	13.33	11.84	1.80
29/3/2550	0.33	0.75	0.64	20.05	0.76	16.31	4.81	1.10
29/3/2550	0.50	1.82	0.76	14.40	1.14	15.18	8.98	1.30
29/3/2550	0.10	1.12	1.58	19.15	0.84	2.51	4.86	1.68
29/3/2550	0.41	1.72	1.40	12.13	4.86	9.12	10.66	1.04
2/4/2550	0.12	1.40	0.52	10.70	4.67	3.13	8.13	1.24
2/4/2550	0.22	0.92	1.39	15.79	4.68	16.74	2.02	1.88
2/4/2550	0.19	1.81	0.56	4.79	5.19	7.27	4.59	0.90
2/4/2550	0.21	1.13	1.13	4.86	5.04	6.24	5.83	1.91
2/4/2550	0.25	1.87	1.15	18.97	4.51	11.05	9.66	0.99
3/4/2550	0.41	1.80	1.63	14.66	1.57	16.05	6.66	2.23
3/4/2550	0.28	1.37	0.73	8.38	3.25	8.15	7.18	2.23
3/4/2550	0.53	0.61	0.96	9.53	3.23	14.33	5.75	2.34
3/4/2550	0.16	2.18	0.50	19.42	5.15	16.19	2.51	1.04
3/4/2550	0.49	1.44	1.10	9.91	4.81	16.60	10.43	1.05
4/4/2550	0.47	1.59	0.67	20.07	1.14	8.96	2.54	1.11
4/4/2550	0.33	1.88	1.71	20.43	3.81	14.46	10.01	1.17
4/4/2550	0.48	1.85	0.72	12.98	1.41	7.88	7.49	1.13
4/4/2550	0.28	0.84	0.78	8.59	4.68	17.68	4.39	2.43
4/4/2550	0.22	1.92	0.91	5.36	1.85	2.83	2.31	1.20
5/4/2550	0.15	1.86	0.70	12.75	1.48	4.26	7.55	1.97
5/4/2550	0.13	1.26	1.74	9.12	0.80	17.66	3.35	1.87
5/4/2550	0.38	1.80	0.71	12.17	1.37	8.06	11.52	1.49
5/4/2550	0.42	1.46	1.07	18.62	2.16	12.70	11.52	2.37
5/4/2550	0.22	1.27	0.96	6.10	2.61	2.87	2.56	1.70
9/4/2550	0.47	1.63	1.23	15.95	3.85	12.48	3.87	1.64
9/4/2550	0.14	1.01	1.47	14.27	4.71	3.35	8.85	2.10
9/4/2550	0.22	1.32	1.68	19.69	4.46	3.22	12.23	2.41
9/4/2550	0.38	1.49	1.64	8.53	5.03	9.74	9.53	1.64
9/4/2550	0.45	2.01	0.87	13.32	3.54	11.56	5.77	1.07
10/4/2550	0.20	0.75	1.48	5.65	2.41	17.75	3.16	1.72
10/4/2550	0.20	1.22	0.97	11.53	1.42	4.66	11.87	2.04
10/4/2550	0.14	2.07	1.73	20.04	2.11	13.52	7.53	1.99
10/4/2550	0.35	1.08	1.69	10.15	2.47	8.51	7.85	1.00

ตารางที่ ข.1 แสดงเวลาในขั้นตอนการเบิกจ่ายพัสดุก่อนการปรับปรุง (ต่อ)

วันที่	ตารางสอบ ใบเบิก	ตารางจำนวน พัสดุ	ลงรายละเอียด	หนีบทัด	ตารางสอบ	เตรียมส่ง	รอส่ง	บันทึกข้อมูล
10/4/2550	0.12	0.98	0.96	10.08	4.83	13.11	11.63	2.22
11/4/2550	0.12	1.90	1.25	8.98	4.93	3.10	9.98	2.25
11/4/2550	0.37	0.67	1.75	16.28	2.36	13.35	5.17	2.02
11/4/2550	0.30	2.04	1.20	15.89	2.46	2.93	6.32	1.12
11/4/2550	0.34	1.76	1.60	19.55	4.05	4.58	10.34	2.31
11/4/2550	0.40	1.14	1.68	14.47	3.21	6.92	11.89	1.74
12/4/2550	0.45	0.68	0.69	17.57	2.02	3.74	7.44	0.87
12/4/2550	0.46	1.14	0.67	6.86	1.96	2.72	2.60	1.49
12/4/2550	0.52	1.63	1.13	12.64	2.58	6.43	9.12	1.18
12/4/2550	0.21	1.59	0.50	8.49	3.11	4.57	6.95	2.26
12/4/2550	0.11	2.19	1.39	7.76	3.55	9.17	5.33	1.02
17/4/2550	0.23	0.91	1.74	12.76	4.61	12.61	10.37	1.81
17/4/2550	0.43	1.13	0.79	21.13	4.63	12.73	5.49	1.82
17/4/2550	0.32	0.81	1.46	9.68	2.22	16.74	8.67	1.67
17/4/2550	0.27	2.07	1.68	10.67	1.72	11.83	7.44	1.37
17/4/2550	0.36	1.03	0.85	12.44	2.70	8.49	11.86	1.57
18/4/2550	0.27	1.36	0.72	14.66	3.89	2.23	4.78	2.02
18/4/2550	0.48	1.65	1.21	13.26	0.79	17.34	7.34	2.17
18/4/2550	0.45	1.03	1.37	18.82	1.71	7.27	5.93	1.38
18/4/2550	0.42	1.84	0.58	17.82	2.38	2.52	3.65	2.18
18/4/2550	0.45	1.15	0.85	13.36	3.99	15.91	6.33	1.73
19/4/2550	0.26	1.60	0.67	11.52	4.99	4.84	11.86	1.17
19/4/2550	0.43	1.61	0.55	18.16	1.43	14.56	5.09	1.46
19/4/2550	0.46	1.03	1.03	16.30	2.31	14.34	12.04	1.49
19/4/2550	0.50	1.56	1.56	13.86	4.84	17.54	2.02	2.16
19/4/2550	0.18	0.88	1.60	10.42	1.09	7.75	11.01	1.22
20/4/2550	0.38	1.11	1.12	19.14	1.86	14.40	5.53	1.25
20/4/2550	0.34	1.53	1.60	15.43	1.06	10.79	7.54	2.36
20/4/2550	0.38	0.70	0.84	13.69	2.56	16.42	9.46	2.43
20/4/2550	0.39	1.99	1.10	15.02	1.53	7.75	2.42	2.09
20/4/2550	0.53	1.86	1.57	14.02	3.79	2.56	7.28	1.48
23/4/2550	0.13	0.84	0.83	14.15	3.75	12.73	5.64	0.93
23/4/2550	0.29	1.61	0.54	10.90	3.07	16.02	3.72	2.31
23/4/2550	0.52	1.38	0.54	16.49	1.29	10.20	4.62	2.42
23/4/2550	0.53	1.16	1.61	17.03	1.91	11.48	11.60	2.18
23/4/2550	0.40	0.91	1.32	19.02	1.48	8.42	5.21	2.09
24/4/2550	0.11	1.23	0.98	11.92	3.41	11.96	8.50	0.97
24/4/2550	0.27	2.12	1.14	6.90	1.90	17.67	7.47	1.05
25/4/2550	0.21	1.66	0.66	19.86	1.85	5.08	3.82	1.56
25/4/2550	0.14	1.03	1.70	11.66	0.75	8.67	11.90	2.47
25/4/2550	0.46	1.30	0.49	12.88	0.80	13.06	10.38	1.55
26/4/2550	0.15	0.99	0.98	6.56	3.70	13.43	11.62	1.90
26/4/2550	0.38	0.92	0.57	12.27	1.00	15.81	6.88	1.76
26/4/2550	0.46	1.25	1.33	14.79	4.27	17.55	11.39	1.81
26/4/2550	0.38	1.23	1.15	7.90	3.19	14.14	5.74	2.41
26/4/2550	0.30	0.89	1.54	12.82	1.59	17.10	10.85	1.40
30/4/2550	0.36	1.60	1.48	8.15	2.65	10.72	4.03	1.73
30/4/2550	0.35	1.35	1.71	13.97	0.81	7.35	2.96	1.07
30/4/2550	0.21	1.28	1.45	18.75	5.10	10.29	9.60	1.37
30/4/2550	0.12	0.78	0.60	10.78	3.87	6.02	5.48	2.40
30/4/2550	0.31	1.20	0.96	14.68	1.01	11.68	8.53	1.99
Mean	0.31	1.36	1.10	13.31	2.83	10.48	7.29	1.68
StDev	0.13	0.44	0.39	4.57	1.44	4.59	3.08	0.49
Max	0.53	2.19	1.76	21.36	5.19	17.79	12.23	2.48
Min	0.08	0.61	0.49	4.79	0.71	2.02	2.02	0.87

ตารางที่ ข.2 แสดงเวลาในขั้นตอนการเบิกจ่ายพัสดุหลังการปรับปรุง

วันที่	ตรวจสอบ ใบเบิก	ตรวจจำนวน พัสดุ	ลงรายละเอียด	ลงตำแหน่ง จัดเก็บ	หนีบกู้	ตรวจสอบ	เคาน์เตอร์	รอส่ง	บันทึกข้อมูล
1/8/2550	0.37	0.50	0.63	3.75	7.87	1.27	4.33	3.04	1.77
1/8/2550	0.33	1.00	1.14	3.11	3.17	3.40	4.87	3.55	0.98
1/8/2550	0.10	0.69	1.19	2.39	11.37	2.36	3.75	4.96	1.16
1/8/2550	0.21	1.94	0.52	2.26	6.51	0.56	3.92	8.73	1.23
1/8/2550	0.12	0.61	0.66	4.00	4.58	2.09	6.64	6.28	1.64
2/8/2550	0.28	1.77	0.60	3.98	10.79	1.32	2.58	8.05	1.66
2/8/2550	0.09	1.25	1.23	2.72	10.64	2.21	12.57	8.74	0.74
2/8/2550	0.14	1.25	1.40	3.31	5.58	2.48	4.27	4.09	0.74
2/8/2550	0.12	1.89	1.50	3.37	13.31	1.27	3.12	4.88	0.87
2/8/2550	0.11	1.01	1.18	2.26	7.53	2.74	13.96	5.28	0.94
6/8/2550	0.44	1.27	0.81	3.19	13.13	2.29	7.66	1.31	1.32
6/8/2550	0.45	0.66	0.58	2.09	2.88	2.64	9.46	2.52	1.74
6/8/2550	0.22	1.21	0.62	4.03	4.64	1.24	11.58	2.21	1.81
6/8/2550	0.44	1.24	0.59	1.96	8.52	0.68	12.69	6.10	0.92
6/8/2550	0.15	0.60	0.85	3.53	5.56	1.34	2.50	5.69	1.43
7/8/2550	0.27	1.79	1.49	3.16	7.24	3.23	6.65	2.06	1.46
7/8/2550	0.36	1.05	0.44	2.97	12.25	3.43	13.19	3.01	1.74
7/8/2550	0.36	1.56	1.06	2.15	9.72	2.99	12.86	9.75	1.59
7/8/2550	0.48	0.99	1.14	2.28	9.65	0.53	6.98	6.27	1.67
7/8/2550	0.17	1.31	1.52	2.95	12.42	0.49	11.93	8.52	0.58
8/8/2550	0.13	0.61	1.15	3.31	10.66	3.70	4.21	6.10	0.81
8/8/2550	0.24	1.80	1.03	3.97	10.41	2.74	2.72	2.85	1.83
8/8/2550	0.27	1.54	1.38	2.22	12.73	1.20	9.84	6.03	1.10
8/8/2550	0.18	1.38	0.49	2.10	7.71	1.44	6.17	7.13	1.45
8/8/2550	0.13	1.50	1.49	3.89	8.57	1.11	13.72	1.93	0.94
9/8/2550	0.16	1.12	1.09	4.09	13.05	2.55	14.57	3.22	1.51
9/8/2550	0.15	1.81	1.17	3.65	3.27	0.58	3.52	4.99	0.62
9/8/2550	0.47	0.62	0.89	1.38	4.88	1.71	10.46	3.36	1.18
9/8/2550	0.48	1.07	0.56	2.10	13.45	3.06	6.41	2.25	0.83
9/8/2550	0.17	0.68	0.80	1.68	6.51	1.10	4.38	1.87	0.63
13/8/2550	0.22	1.10	0.50	1.72	13.44	3.73	2.70	3.65	0.93
13/8/2550	0.18	1.26	1.38	2.19	9.85	2.40	3.60	7.14	1.13
13/8/2550	0.07	1.23	0.49	1.49	6.33	3.46	13.32	8.50	0.95
13/8/2550	0.11	0.98	1.03	2.72	9.65	1.44	6.65	1.51	1.35
13/8/2550	0.14	1.32	0.61	3.11	8.40	2.73	8.44	2.12	1.34
14/8/2550	0.36	1.15	1.29	2.97	3.09	2.00	3.18	2.93	1.69
14/8/2550	0.10	0.84	0.98	3.00	12.92	2.32	7.43	5.63	1.35
14/8/2550	0.41	1.69	0.58	2.11	5.06	2.89	2.02	9.64	0.59
14/8/2550	0.08	1.24	1.49	1.70	4.76	1.30	2.58	6.79	1.38
14/8/2550	0.23	1.12	1.45	2.88	2.72	3.52	9.55	1.92	0.76
15/8/2550	0.20	1.51	1.01	2.21	6.31	0.46	14.33	8.82	1.54
15/8/2550	0.46	1.86	0.65	4.08	11.17	2.98	4.97	3.71	1.82
15/8/2550	0.20	0.70	1.22	3.98	10.85	0.49	3.61	4.24	1.57
15/8/2550	0.28	0.91	0.90	3.80	3.74	2.69	3.49	2.84	1.42
15/8/2550	0.08	0.53	1.29	3.99	5.45	0.85	3.66	8.55	1.39
16/8/2550	0.44	0.97	0.80	2.25	10.40	0.67	4.34	9.05	1.09
16/8/2550	0.15	0.69	0.83	3.01	3.36	2.21	10.41	8.07	1.52
16/8/2550	0.41	1.52	0.61	3.79	8.30	1.79	2.60	1.93	1.58
16/8/2550	0.24	1.41	1.21	3.66	4.69	2.57	15.36	4.07	1.58
16/8/2550	0.31	0.62	0.87	2.14	12.54	3.05	15.42	5.12	1.58
20/8/2550	0.40	0.65	1.04	4.14	5.05	2.91	8.42	5.02	0.66
20/8/2550	0.48	1.11	0.78	2.33	3.88	3.33	7.40	3.38	0.66
20/8/2550	0.23	1.07	1.12	3.85	7.61	1.87	11.64	8.27	1.03
20/8/2550	0.33	0.84	0.83	1.77	9.82	1.60	9.64	7.47	0.84
20/8/2550	0.26	0.90	1.36	2.93	5.04	2.88	10.06	1.75	1.31
21/8/2550	0.07	1.90	0.42	3.92	4.91	2.73	14.74	4.23	1.59
21/8/2550	0.15	1.24	1.20	2.50	5.12	3.14	7.37	4.53	0.98
21/8/2550	0.26	1.80	0.56	3.36	9.25	1.02	2.01	9.24	1.31
21/8/2550	0.25	0.92	1.28	1.78	5.80	1.50	13.36	2.05	0.99

ตารางที่ ข.2 แสดงเวลาในขั้นคอนกรีตเบิกจ่ายพัสดุหลังการปรับปรุง (ต่อ)

วันที่	ตรวจสอบ ใบเบิก	ตรวจจำนวน พัสดุ	ลงรายละเอียด	ลงตำแหน่ง จัดเก็บ	หนีบทัด	ตรวจสอบ	เคาน์เตอร์	รอง	บันทึกข้อมูล
21/8/2550	0.19	1.51	1.31	3.83	8.43	1.45	10.75	5.08	0.71
22/8/2550	0.27	1.30	0.51	3.19	12.30	2.39	11.31	2.55	1.18
22/8/2550	0.29	0.89	1.36	2.55	11.68	2.43	7.18	4.95	1.72
22/8/2550	0.35	1.59	1.36	1.75	3.35	2.10	6.98	4.92	1.59
22/8/2550	0.10	0.93	0.68	3.18	11.80	1.61	12.82	3.00	1.54
22/8/2550	0.38	0.52	1.00	4.20	8.35	0.49	14.49	6.48	1.32
23/8/2550	0.13	1.38	0.58	1.58	3.55	2.68	6.51	2.62	0.54
23/8/2550	0.11	0.99	0.89	1.39	11.82	0.51	13.46	4.17	0.82
23/8/2550	0.41	1.34	1.12	2.40	8.13	1.55	3.51	6.77	0.56
23/8/2550	0.42	1.83	0.93	3.34	12.85	0.62	12.25	1.89	0.63
23/8/2550	0.29	1.73	1.39	1.45	3.81	1.71	7.70	6.69	1.78
27/8/2551	0.37	1.73	1.53	4.08	11.54	3.18	10.47	3.87	0.64
27/8/2551	0.35	1.80	0.46	3.25	13.23	0.74	5.58	4.59	1.67
27/8/2551	0.21	1.84	0.47	2.30	12.16	3.37	5.72	7.68	0.91
27/8/2551	0.20	0.98	1.30	3.45	12.13	1.24	10.01	8.61	0.89
27/8/2551	0.06	1.03	0.97	2.56	2.64	0.54	7.12	7.90	1.06
28/8/2551	0.21	1.39	1.08	2.86	11.07	1.91	14.45	1.93	1.41
28/8/2551	0.37	1.08	1.28	3.66	13.67	0.56	6.31	5.05	1.32
28/8/2551	0.41	1.92	1.00	1.52	13.19	1.86	5.96	4.10	1.52
28/8/2551	0.45	1.29	0.52	1.35	9.22	1.23	4.08	7.15	0.63
28/8/2551	0.35	1.61	0.48	3.22	8.92	0.75	2.43	1.50	1.47
29/8/2551	0.39	1.12	1.12	4.01	6.72	1.83	1.65	9.82	1.06
29/8/2551	0.14	1.85	1.46	2.51	9.80	2.24	15.00	6.26	1.20
29/8/2551	0.38	1.68	0.49	3.64	4.37	3.21	11.38	4.25	1.55
29/8/2551	0.42	1.60	0.98	1.68	9.95	2.98	10.21	8.47	1.20
29/8/2551	0.19	1.06	0.51	4.16	2.81	2.28	2.04	7.27	0.88
30/8/2550	0.21	0.64	0.41	3.80	6.17	3.26	14.82	9.86	0.95
30/8/2550	0.12	1.38	1.37	2.76	9.93	2.59	5.88	5.89	1.43
30/8/2550	0.16	1.34	1.30	3.46	7.41	2.64	8.64	5.09	1.62
30/8/2550	0.41	1.69	0.44	3.15	5.30	2.39	3.83	4.80	0.99
30/8/2550	0.32	1.20	1.48	3.11	2.61	2.24	8.89	3.60	1.38
3/9/2550	0.41	1.53	0.62	3.62	10.36	3.14	6.87	2.91	1.42
3/9/2550	0.47	1.82	1.01	2.34	4.30	1.95	8.31	9.06	1.53
3/9/2550	0.24	0.58	1.40	1.55	7.72	2.26	14.80	7.50	1.54
3/9/2550	0.08	1.25	1.16	2.91	9.71	3.17	11.79	6.28	1.61
3/9/2550	0.11	1.06	0.47	3.12	12.18	0.79	3.56	9.36	1.50
4/9/2550	0.31	0.95	0.81	4.10	8.47	1.49	3.68	7.83	1.35
4/9/2550	0.43	0.55	1.23	4.15	11.55	0.54	2.16	5.57	1.38
4/9/2550	0.13	1.96	1.06	3.11	7.84	2.39	15.42	7.86	1.61
4/9/2550	0.41	1.40	1.11	2.27	13.56	0.95	3.19	8.07	1.60
4/9/2550	0.45	1.62	0.85	3.42	6.29	2.88	6.32	1.53	1.54
5/9/2550	0.28	1.53	0.96	1.76	13.04	3.56	14.44	6.85	1.42
5/9/2550	0.45	0.83	1.09	4.15	6.97	3.61	11.07	3.86	1.52
5/9/2550	0.21	1.70	1.13	3.86	7.98	3.48	8.61	9.08	1.62
5/9/2550	0.45	0.74	1.16	2.99	10.57	1.89	5.96	9.24	1.25
5/9/2550	0.21	1.82	0.88	2.96	8.90	0.74	3.02	7.97	1.59
6/9/2551	0.15	1.52	0.55	1.84	11.03	0.58	12.35	3.35	1.55
6/9/2551	0.13	1.54	0.92	2.27	7.28	3.07	2.70	1.59	1.01
6/9/2551	0.12	1.86	1.43	4.00	5.15	2.93	13.44	5.19	0.91
6/9/2551	0.39	0.86	0.70	2.55	7.07	3.73	6.57	1.67	1.01
6/9/2551	0.41	1.30	1.00	1.82	3.70	2.98	11.91	3.14	0.60
10/9/2553	0.24	1.52	1.00	2.85	5.01	1.01	3.25	4.15	1.50
10/9/2553	0.10	0.56	1.44	2.80	6.11	0.54	5.36	7.39	0.71
10/9/2553	0.21	1.25	1.40	3.29	7.75	2.53	14.66	9.54	0.89
10/9/2553	0.28	1.84	0.72	1.90	5.62	1.07	5.02	1.37	1.02
10/9/2553	0.26	0.66	0.70	2.12	4.02	1.29	5.88	3.64	1.08
11/9/2553	0.32	0.82	1.37	4.07	5.81	0.47	10.75	8.68	1.42
11/9/2553	0.19	0.73	0.92	3.16	3.04	2.15	14.25	6.01	1.15
11/9/2553	0.43	0.82	0.68	1.54	10.03	1.24	7.07	7.52	1.81

ตารางที่ ข.2 แสดงเวลาในขั้นตอนการเบิกจ่ายพัสดุหลังการปรับปรุง (ต่อ)

วันที่	ตรวจสอบ ใบเบิก	ตรวจจำนวน พัสดุ	ลงรายละเอียด	ลงตำแหน่ง จัดเก็บ	พิมพ์พัสดุ	ตรวจสอบ	เตรียมส่ง	รอส่ง	บันทึกข้อมูล
11/9/2553	0.21	0.49	0.88	3.20	5.42	1.90	3.79	5.09	1.33
11/9/2553	0.34	0.57	1.05	2.95	8.55	3.49	9.05	9.62	1.14
12/9/2553	0.08	0.93	1.41	1.34	10.84	0.96	3.60	9.96	0.53
12/9/2553	0.28	0.72	1.41	1.65	13.55	2.30	3.20	7.35	0.81
12/9/2553	0.38	1.12	1.43	2.57	4.40	1.39	14.57	2.71	1.34
12/9/2553	0.18	0.98	1.46	1.43	12.93	1.88	4.62	8.21	1.44
12/9/2553	0.26	0.77	0.74	3.74	9.64	3.36	5.54	7.33	1.36
13/9/2553	0.36	1.98	0.59	1.42	10.06	0.89	2.45	2.23	1.49
13/9/2553	0.11	1.21	0.70	2.86	3.41	3.52	5.93	10.00	1.48
13/9/2553	0.34	1.84	0.78	2.76	12.35	3.63	2.74	6.82	0.74
13/9/2553	0.41	1.06	0.46	2.28	4.20	3.35	13.10	10.07	0.56
13/9/2553	0.13	1.56	0.56	3.47	9.47	0.84	6.08	6.17	0.77
17/9/2553	0.19	0.78	1.11	1.53	10.22	2.17	6.28	7.88	1.08
17/9/2553	0.13	1.04	1.03	2.61	9.65	0.97	12.23	5.71	0.65
17/9/2553	0.12	1.50	1.29	1.92	9.34	3.54	14.98	3.83	1.62
17/9/2553	0.23	0.89	0.47	4.05	10.52	1.29	4.73	8.93	1.58
17/9/2553	0.44	0.63	1.06	4.26	11.08	1.39	15.02	10.05	0.91
18/9/2553	0.30	0.82	1.16	2.57	8.43	1.40	4.03	3.75	1.60
18/9/2553	0.11	1.32	1.04	3.50	4.48	1.86	12.19	1.38	1.23
18/9/2553	0.20	0.70	0.96	2.32	5.10	0.70	14.66	4.74	1.84
18/9/2553	0.43	1.25	0.55	2.02	10.29	3.16	3.38	7.62	0.86
18/9/2553	0.46	1.71	0.58	2.39	6.59	1.26	11.01	10.12	0.67
19/9/2553	0.26	1.73	1.16	4.19	7.88	1.35	4.36	9.52	1.30
19/9/2553	0.12	0.62	1.20	3.45	6.91	2.22	7.68	1.33	1.06
19/9/2553	0.42	1.61	1.38	1.87	8.66	2.44	10.43	6.98	0.88
19/9/2553	0.28	0.87	0.53	2.24	8.00	2.78	10.17	2.13	1.47
19/9/2553	0.10	1.76	1.08	1.57	8.34	3.44	9.84	1.50	1.81
20/9/2554	0.07	0.95	0.62	3.62	8.37	2.86	5.23	5.41	1.28
20/9/2554	0.11	1.66	1.41	3.79	3.95	2.87	12.22	6.96	0.66
20/9/2554	0.40	0.78	1.52	3.42	10.47	0.85	13.30	5.86	0.96
20/9/2554	0.15	1.98	1.11	3.97	3.86	1.09	5.76	2.15	0.62
20/9/2554	0.31	1.86	0.51	2.65	13.38	1.48	9.63	7.00	1.28
24/9/2555	0.41	1.80	1.26	1.81	7.48	2.78	11.83	7.98	1.75
24/9/2555	0.07	1.17	0.89	1.86	6.95	1.92	5.54	3.81	0.66
24/9/2555	0.23	1.44	0.85	3.56	13.36	1.55	4.37	6.19	0.68
24/9/2555	0.21	1.25	1.28	3.33	5.78	2.52	12.63	6.99	1.36
24/9/2555	0.13	1.63	0.88	1.81	4.37	2.66	7.45	3.15	1.46
25/9/2555	0.45	1.42	1.35	2.72	4.54	0.73	9.11	8.56	0.96
25/9/2555	0.43	1.24	0.71	2.02	6.53	1.28	11.08	2.61	1.81
25/9/2555	0.47	1.36	1.26	2.10	4.87	0.78	1.45	2.16	1.25
25/9/2555	0.34	1.54	1.49	1.36	10.19	1.65	7.43	2.19	0.76
25/9/2555	0.26	1.67	1.42	2.65	6.00	2.60	9.81	3.50	0.82
26/9/2555	0.07	0.66	1.12	3.34	12.00	1.04	5.68	2.90	1.76
26/9/2555	0.47	0.62	0.89	3.71	7.29	0.77	3.93	8.12	1.26
26/9/2555	0.18	1.12	1.42	3.90	8.71	3.62	6.43	1.68	0.95
26/9/2555	0.23	1.78	1.02	2.73	13.03	1.09	14.22	4.80	0.82
26/9/2555	0.27	0.71	0.75	3.51	7.63	3.56	5.17	6.37	1.74
27/9/2555	0.41	1.09	1.42	1.56	12.28	2.63	1.60	4.17	1.38
27/9/2555	0.25	1.36	0.45	2.87	5.35	2.18	2.49	5.69	1.15
27/9/2555	0.14	1.82	1.11	1.46	8.57	1.84	13.93	9.28	0.56
27/9/2555	0.20	1.10	0.48	1.91	6.72	0.91	12.69	4.96	1.05
27/9/2555	0.34	1.25	1.03	2.14	5.25	1.95	12.19	2.44	0.93
Mean	0.26	1.23	0.98	2.81	8.15	2.01	8.05	5.45	1.21
StDev	0.13	0.42	0.33	0.85	3.17	0.97	4.16	2.60	0.37
Max	0.48	1.98	1.53	4.26	13.67	3.73	15.42	10.12	1.84
Min	0.06	0.49	0.41	1.34	2.61	0.46	1.45	1.31	0.53



## ประวัติผู้เขียนวิทยานิพนธ์

นางสาวชนิดา เกิดฤทธิ์ เกิดเมื่อวันที่ 17 สิงหาคม 2526 ที่กรุงเทพมหานคร สำเร็จการศึกษาในระดับปริญญาตรีวิทยาศาสตร์บัณฑิต เกียรตินิยมอันดับสอง ภาควิชาสถิติประยุกต์ คณะวิทยาศาสตร์ประยุกต์ สถาบันเทคโนโลยีพระจอมเกล้าพระนครเหนือ เมื่อปีการศึกษา 2547 และเข้าศึกษาต่อในหลักสูตรวิศวกรรมศาสตรมหาบัณฑิต ภาควิชาวิศวกรรมอุตสาหกรรม คณะวิศวกรรมศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย เมื่อปีการศึกษา 2548