

REFERENCES

- ¹ Brunauer, S.; Emmet, P.H.; and Teller, E. "The Adsorption of Gases in Multimolecular Layers" J. Am. Chem. Soc. 60, (1939) 309-19
- ² Blaine, R.L. Bull. Am. Soc. Test. Mat., No. 108, (1941) 17.
- ³ Blaine, R.L. Bull. Am. Soc. Test. Mat., No. 123, (1943) 51.
- ⁴ Commercial Model of the Blaine Permeameter The Precision Scientific Company. Chicago, Illinois.
- ⁵ Carman, P. C. Flow of Gases through Porous Media. Academic Press Inc., 1st ed., 1956
- ⁶ Carman, P. C. Trans. Instn. Chem. Engrs, London, 15(1937)150-66.
- ⁷ Carman, P. C. Trans. Instn. Chem. Engrs, London, 16(1938) 168-88.
- ⁸ Carman P. C. "The Determination of the Specific Surface of Powder I". J. Soc. Chem. Ind., London (Trans.), 57(1938) 225-34.
- ⁹ Carman, P.C. "The Determination of the Specific Surface of Powders II". J. Soc. Chem. Ind., London (Trans.), 58(1939)1.
- ¹⁰ Carman, P. C.; and Malherbe, P. Le. R. "Routine Measurement of Surface of Paint Pigments and Other Fine Powders I". J. Soc. Chem. Ind. (London) 69(1950) 134-43.
- ¹¹ Carman, P. C. "Routine Measurement of Surface of Paint Pigments and Other Fine Powders II". J. Appl. Chem. (London) 1 (1951) 105-8.

- ¹² Carman, P. C.,; and Arnell, J. C. "Surface-Area Measurements of Fine Powders Using Modified Permeability Equation" Can. J. Research 26A, (1948) 128-36
- ¹³ Gooden, E, L.; and Smith, C.M. "Measuring Average Particle Diameter of Powders-An Air Permeation Apparatus" Ind. Eng. Chem. 12,(1940) 479-82.
- ¹⁴ Keyes, W. F. "Determination of Specific Surface by Permeability Measurements" Ind. Eng. Chem. 18,(1946) 33-4.
- ¹⁵ Langille, R. C.; Braid, P. E.; and Kenrick, F. B. "A Comparison of Two Methods for Determining the Surface Area of a Powder" Can. J. Research, 23B(1945) 31-9.
- ¹⁶ Lea, F. M.; and Nurse, R. W. "The Specific Surface of Fine Powders" J. Soc. Chem. Ind.London (Trans.) 58, (1939) 277-83.
- ¹⁷ Lea, F. M.; and Nurse, R. W. "Permeability Methods of Fineness Measurements" Trans. Inst. Chem. Engrs. (London), and Soc. Chem. Ind. (London)., Roads and Bldg. Materials Group, Advance Copy, (1947) 34-43 February 4.
- ¹⁸ Lambe, T. W. ; and Whitman, R. V. Soil Mechanics. New York: John Wiley & Sons, Inc. 2nd ed.(1969) 48-9.
- ¹⁹ Mathews, D. H. "Measurement of the Specific Surface Area of Fine Powders" J. Appl. Chem. (London) 7, (1957b) 610-3
- ²⁰ Orr, C., Jr.; and Dallavalle, J. M. Fine Particle Measurement. New York: Macmillan Company, 1959.

- 21 Phelps, G. W.; and Maguire, S. G., Jr. "Practical Particle Size Analysis of Clays : I. Sample Preparation".
J. Am. Ceram. Soc. 40, (1957a) 399-402
- 22 Pechukas, A. and Gage, F. W. "Rapid Method for Determining Specific Surface of Fine Particles" Ind. Eng. Chem. 18 (1946) 370-3
- 23 Rose, H. E. "The Permeability Method of Specific Surface Determination : A Correction Factor" J. Appl. Chem. (London) 2, 9, (1952) 511-20.
- 24 Rigden, P. J. "The Specific Surface of Powders. A Modification of the Air Permeability Method for Rapid Routine Testing" J. Soc. Chem. Ind. (London) 62, (1943) 1-4.
- 25 Rigden, P. J. "The Specific Surface of Powders. A Modification of the Theory of the Air-Permeability Method".
J. Soc. Chem. Ind. (London) 66, (1947) 130-6.
- 26 Sullivan, R.R. "Flow of Air through Porous Media" J. Appl. Phys. 11, (1940a) 761-5.
- 27 Travis, P. M. "Measurement of Average Particle Size by Sedimentation and Other Physical Means" ASTM Bull. No. 102, (1940) 29-32.
- 28 Wyllie, R. J.; and Gregory, A. R. "Fluid Flow through Unconsolidated Porous Aggregates" Ind. Eng. Chem. 47, (1955) 1379-88.

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