
Table of Contents

1—Types of Sieves
   1.1 ASTM Standard Test Sieves
   1.2 International Standards Organization (ISO) Test Sieves
   1.3 ASTM and ISO Test Sieves with Enhanced Accuracy
   1.4 ASTM Perforated-Plate Sieves
   1.5 ASTM Precision Electroformed Sieves

2—Sieving Methods
   2.1 Hand Sieving
   2.2 Standard Mechanical Sieve Shakers
   2.3 Vibratory Mechanical Sieve Shakers
   2.4 Miscellaneous Mechanical Sieve Shakers

3—Test Sieving Procedures
   3.1 Sample Size
   3.2 Sample Preparation
   3.3 The Sieve Stack
   3.4 Testing
   3.5 Weighing and Calculations

4—Sieving Practices
   4.1 Sampling
   4.2 Wet Sieving
   4.3 Sieve Care and Cleaning
   4.4 Sieving Aids and Flow Agents
   4.5 Setting Up a Quality Control Program

5—Appendix
   Table A-1: Suggested Bulk Volume of Test Sample for Sieve Analysis with 8-in. and 200-mm Round Sieve
   Table A-2: Typical Bulk Densities of Various Particulate Materials
   Table A-3: List of ASTM Published Standards on Sieve Analysis Procedures for Specific Materials or Industries
   Table A-4: List of ASTM Published Standards on Sampling of Particulate Materials

6—Nomenclature

7—References