

### 301.2 - Cement and Coal Fly Ash Fineness

SRM 46h is intended to determine sieve residue according to ASTM C430. Each set consists of 10 sealed vials, each containing approximately 5g of cement.

SRM 114q is intended for calibrating the Blaine fineness meter according to the latest issue of ASTM C204, to calibrate the Wagner turbidimeter according to ASTM C115, to determine sieve residue according to ASTM C430, and to verify procedure for particle size distribution by a laser diffraction method (no-standard method available). Each set consists of 20 sealed vials, each containing approximately 5g of cement.

For further information see [SP 260-161](#), [SP 260-166](#), and [SP 260-169](#).

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Properties	Value
46h	Portland Cement Fineness Standard	10 vials x 5 g	Sieve Residue (45 µm residue) (No. 325) Specific Surface area (Blaine)	7.43 % 364.4 m <sup>2</sup> /kg
114q	Portland Cement Fineness Standard	20 vials	Residue on 45 µm (No. 325) sieve Specific Surface area (Wagner turbidimeter) Specific Surface area (Blaine Air Permeability Apparatus) Particle Size Distribution	0.79 % 2183 cm <sup>2</sup> g <sup>-1</sup> 3818 cm <sup>2</sup> g <sup>-1</sup> 1-128 µm
2689	Coal Fly Ash	3 x 10 g	Sieve Residue (45 µm residue) (No. 325)	12.8 %
2690	Coal Fly Ash	3 x 10 g	Sieve Residue (45 µm residue) (No. 325)	8.0 %
2691	Coal Fly Ash	3 x 10 g	Sieve Residue (45 µm residue) (No. 325)	10.5 %

- Certified values are normal font
- Reference values are italicized
- Values in parentheses are for information only