

### 301.4 - Surface Area of Powders and Mercury Porosimetry Standards

These SRMs are intended for calibrating and verifying the performance of instruments used to determine the specific surface area of powders by the Brunauer, Emmett, and Teller (BET) method or instruments that use mercury intrusion to measure the pore size and porosity of porous materials. The surface areas of SRMs 1898, 1900, 2206 and 2207 are based on both multi-point and single point analysis of the BET equation.

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	1898	1900	1917	2206	2207	2696
Description	Titanium Dioxide Nanomaterial	Specific Surface Area Standard	Mercury Porosimetry Standard	Controlled Pore Glass - BET Specific Surface Area (300 nm)	Controlled Pore Glass - BET Specific Surface Area (Nominal Pore Diameter 18 nm)	Silica Fume (powder form)
Unit Size	(15 g)	(4 g)	(10 g)	(5 g)	(5 g)	(70 g)

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