

# Updated Product Information

## B2196—Set of 7 Soil standards

Elemental Microanalysis has an updated set of soil standards, B2196.

The soil standards set now includes a new mineral soil standard that is ultra-low in carbon content, complementing the pre-existing range of soil types and elemental values.

This set of 7 soil reference materials and their current batch values are detailed below.



B2196, Set of 7 soil standards

Our soils are prepared as finely ground powders. After oven drying grinding and sieving to the required particle size, the soil is radiation sterilized to inhibit microbiological activity. The soils are subjected to gamma radiation from a cobalt-60 source to an absorbed dose of 28-50kGy.

Part No.	Description	Pack	% C*	% TIC**	% TOC**	% N*	% S**
B2196	Set of 7 Soil standards <i>Contents detailed below</i>	7 x 30g					
B2176	Soil Standard (Peaty)	30g	15.950	0.380	15.500	1.290	0.430
B2180	Soil Standard (Sandy)	30g	0.830	0.070	0.760	0.070	0.014
B2182	Soil Standard (Silty)	30g	2.190	0.300	1.890	0.180	0.025
B2184	Soil Standard (Clay)	30g	2.310	0.340	1.970	0.230	0.030
B2186	Soil Standard (Loamy)	30g	2.750	0.080	2.670	0.270	0.044
B2188	Soil Standard (Chalky)	30g	4.640	0.950	3.690	0.320	
B2189	Soil Standard (Mineral)	30g	0.250			0.023	

\* **Note:** typical values shown. Actual values vary slightly from batch to batch; true values are shown on the certificate of analysis provided with product.

\*\* **Note:** Values shown for %TIC, %TOC and %S are uncertified and given for information only.

All calibrations are traceable to NIST SRMs – full information is provided on the certificate of analysis. Measurement of uncertainty according to ISO/IEC17025 and GUM (Guidelines to Uncertainty in Measurement) provided on product certificate of analysis.

