

Expanded range of synthetic soils

Five additional synthetic soil standards from Elemental

Elemental Microanalysis has added to its range of synthetic soils, made from pure mineral and chemical ingredients, blended to exactly match the elemental make-up of natural soils.

The five latest synthetic soils to be released, B2719, B2720, B2721, B2722, and B2723, are analysed for carbon and sulfur, and sold in 25 g packs. The table below summarizes the complete synthetic soils range.

The synthetic process provides multiple benefits to customers, including ingredient composition tailored to the needs of the scientific community. Creating synthetic soils leads to improved consistency across consecutive batches, compared to collected soils. Synthetic soils are also not subject to the same export/import legislation and control as irradiated natural soil, which simplifies restrictions for hassle-free worldwide shipping.

These products offer the same high quality and value for money that is typical of Elemental Microanalysis' entire product range. Available to order from our ISO 9001 factory online, by email, telephone or fax. Elemental Microanalysis offers extensive knowledge of analysis, over 45 years of experience and a worldwide reputation for excellence.



Part No	Description	C (%)	N (%)	S (%)	TIC (%)	TOC (%)
B2232	Synthetic soil (peaty) 30 g	14.98	1.23	0.40	(0.61)	(14.37)
B2230	Synthetic soil (high organic content) 30 g	7.48	0.53	0.061	(0.32)	(7.16)
B2238	Synthetic soil (chalky) 30 g	5.47	0.37		(2.27)	(3.20)
B2237	Synthetic soil (loamy) 30 g	2.65	0.25	(0.068)	(0.07)	(2.58)
B2233	Synthetic soil (medium organic content) 30 g	2.58	0.15	0.040	(0.34)	(2.24)
B2236	Synthetic soil (clay) 30 g	2.42	0.25	0.051	(0.26)	(2.16)
B2235	Synthetic soil (silty) 30 g	2.27	0.176	(0.05)	(0.16)	(2.11)
B2231	Synthetic soil (low organic content) 30 g	1.42	0.106	0.039	(0.07)	(1.35)
B2239	Synthetic soil (eIC-type) 30 g	1.917	0.012			
B2234	Synthetic soil (sandy) 30 g	0.44	0.051		(0.06)	(0.38)
B2189	Synthetic soil standard (mineral) 30 g	0.292	0.021			
B2719	Synthetic ore powder standard 25 g	5.10		4.82		
B2720	Carbon and sulfur in soil, synthetic standard 25 g	1.382		0.162		
B2721	Carbon and sulfur in soil, synthetic standard 25 g	1.11		1.04		
B2722	Carbon and sulfur in soil, synthetic standard 25 g	0.13		0.13		
B2723	Carbon and sulfur in soil, synthetic standard 25 g	2.14		1.94		

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