

New Product Range: Synthetic Soils

Elemental Microanalysis has launched a new range of synthetic soils, made from pure mineral and chemical ingredients, blended to exactly match the elemental make-up of natural soils. The synthetic process provides multiple benefits to customers, including ingredient composition tailored to the needs of the scientific community.

Elemental’s initial soil standards in this range are: a loamy soil standard (B2237), a high organic content soil standard (B2230), and a medium organic content soil standard (B2233).

Additional synthetic soil standards (sandy, peaty, silty, clay, chalky,) are under development at Elemental to better mimic the range of natural soils previously collected, processed, and produced.

Creating synthetic soils leads to improved consistency across consecutive batches, compared to collected soils. Synthetic soils are also not subject to the same export legislation and control as irradiated natural soil, which simplifies import restrictions for hassle-free worldwide shipping.



Synthetic soil, loamy, B2237

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 (%)
B2230	Synthetic soil (high organic content) 30 g	7.48	0.53	0.061	(0.32)	(7.16)
B2233	Synthetic soil (medium organic content) 30 g	2.49	0.16	0.037	(0.15)	(2.34)
B2237	Synthetic soil (loamy) 30 g	2.26	0.24	(0.062)	(0.1)	(2.16)

Bracketed figures are not certified values and are provided for information only.

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