

New reference materials

IRMS standards

Elemental's R&D development expert in isotopic ratio mass spectrometry, David Castle, and his team, have brought five new caffeine, glucose and gelatin IRMS standards to market, expanding our isotope reference material range to a total of 26 products.

Exact batch values can be found on our [reference material spreadsheet](#) alongside all our existing reference materials.



Part description	Pack size	Part no.	$\delta^{13}\text{C}$ ‰	$\delta^{15}\text{N}$ ‰	$\delta^{34}\text{S}$ ‰	% C	% H	% N	% O	% S
Caffeine IRMS standard certified for ^{13}C ^{15}N	0.5 g	B2216	-32.63	-3.29		49.48	5.16	28.83	16.47	
C3 type glucose ^{13}C IRMS standard	1 g	B2217	-27.3			39.96				
C4 type glucose ^{13}C IRMS standard	1 g	B2218	-11.45			39.96				
Coldwater fish gelatin IRMS standard	2 g	B2219	-16.33	14.71	17.05	42.93	6.86	16.63		0.43
Bovine gelatin powder IRMS standard	2 g	B2222	-11.11	7.54	6.79	43.73	6.91	16.1		0.43

The IRMS product range from Elemental Microanalysis has recently expanded to provide compatible products for analysers such as the isoEarth⁺ from Sercon; full product details are in our newly published Micro & IRMS catalogue. [Contact us](#) to request a copy.

New reference material for fuel analysis

A recent addition to our range of 25 residual oil reference materials, **B2377** offers NIST traceable certification values for C,H,N and S as well as BTU/pound. This reference material is intended for calibration or continued quality verification of combustion calorimetric methods; **B2377** is a useful, multipurpose standard for fuel analysis laboratories with calorimeters and elemental analysers.

Our [reference material spreadsheet](#) details the complete range of reference materials from Elemental for petroleum, oil, biomass, coal and coke analysis.

These products and more are available to order from our ISO 9001 factory online.



B2377

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