

New Product Release

Gelatin IRMS standard

Elemental Microanalysis has added a new gelatin IRMS standard, B2215, to the range of IRMS reference materials available. The new standard is certified for ^{13}C , ^{15}N , ^{18}O and ^{34}S .

Our full range of certified IRMS reference materials, all of which are traceable to a primary reference (NIST, IAEA), is shown below, as well as our 'working' standards, intended as an 'in-run' reference.



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B2215

Part No	Material	Pack	$\delta^{13}\text{C}$ ‰	$\delta^{2}\text{H}$ ‰	$\delta^{15}\text{N}$ ‰	$\delta^{18}\text{O}$ ‰	$\delta^{34}\text{S}$ ‰	% C	% H	% N	% O	% S
Interlaboratory comparison Certified Isotopic reference materials												
B2203	IRMS Certified Reference Material EMA P1	3g	-27.85	-25.30		20.99	-3.01	61.51	3.46		20.87	13.85
B2205	IRMS Certified Reference Material EMA P2	3g	-28.19	-87.80	-1.57	26.88		68.35	2.90	7.46	19.91	
B2207	Silver Phosphate Certified IRMS Reference Material	1g				21.7						
B2214	Carrara marble powder IRMS standard	0.5g	2.10			-2.01						
Certified Isotopic reference materials												
B2151	High Organic Content Sediment IRMS Standard OAS/Isotope	5g	-28.85		4.32			7.45		0.52		0.62
B2153	Low Organic Content Soil IRMS Standard OAS/Isotope	5g	-26.66		6.97			1.61		0.133		0.014
B2155	Protein IRMS Standard OAS/Isotope	5g	-26.98		5.94		6.32*	46.50		13.32		0.751
B2157	Wheat Flour IRMS Standard OAS/Isotope	5g	-27.21		2.85		-1.42*	39.38		1.36		0.092
B2159	Sorghum Flour IRMS Standard OAS/Isotope	5g	-13.78		1.58		10.11*	41.26		1.47		0.095
B2215	Gelatin IRMS standard certified for 13C 15N 18O 34S	2g	-22.92		4.26	6.76	1.21	43.78	6.97	16.55	28.61	0.51
Uncertified working standards												
B2190	2H and 18O isotope IRMS standard: High enriched water	25ml		1701.83		266.83						
B2191	2H and 18O isotope IRMS standard: Medium enriched water	25ml		843.43		108.63						
B2192	2H and 18O isotope IRMS standard: Zero natural water	25ml		11.26		-0.41						
B2193	2H and 18O isotope IRMS standard: Medium natural water	25ml		-98.32		-12.34						
B2194	2H and 18O isotope IRMS standard: Low natural water	25ml		-269.07		-33.57						
B2195	Set of 5 water working standards (B2190 to B2194)											
B2172	Olive Oil Isotopic Working IRMS Standard (C-13)	5g	-29.32									
B2174	Urea Isotopic Working IRMS Standard (C-13 N-15)	5g	-43.26		-0.56							
B2213	Spruce (wood) powder IRMS standard	3g	-25.44		-4.9	23.59		49.9	6.29	0.09	42.93	

* Values are for reference only – not certified.

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