

# Technical Information Bulletin

## Natural Water IRMS Certified Reference Material

Elemental Microanalysis is pleased to introduce new batches of Isotopic Natural Water Reference Materials for the determination of stable isotopes <sup>2</sup>H and <sup>18</sup>O.



The new batches of Isotopic Natural Water Reference Materials cover a broader range to reflect the values found in nature. Values are traceable to primary standards issued by I.A.E.A Vienna.

Part Number	Description	Pack	$\delta^{13}\text{C} \text{ ‰}$	$\delta^2\text{H} \text{ ‰}$	$\delta^{15}\text{N} \text{ ‰}$	$\delta^{18}\text{O} \text{ ‰}$
B2192	Zero natural water	25ml		11		0
B2193	Medium natural water	25ml		-98		-12
B2194	Low natural water	25ml		-269		-34

This product is available to order online, by telephone, email or fax. With 35 years of experience, Elemental Microanalysis offers extensive knowledge of analysis and a worldwide reputation for excellence.



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Available from your local Dealer:

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## IRMS CRM available from Elemental Microanalysis Ltd

Part Number	Description	Pack	$\delta^{13}\text{C}$ ‰	$\delta^2\text{H}$ ‰	$\delta^{15}\text{N}$ ‰	$\delta^{18}\text{O}$ ‰	$\delta^{34}\text{S}$ ‰	% Carbon	% Hydrogen	% Nitrogen	% Oxygen	% Sulphur
B2151	High Organic Content Sediment Sta	5g	-26		5		4	6.5		0.5		1.0
B2153	Low Organic Content Soil Standard	5g	-27		7		5	1.5		0.1		0.0
B2155	Protein Standard OAS/Isotope	5g	-27		6		6	46.5		13.3		0.8
B2157	Wheat Flour Standard OAS/Isotope	5g	-27		3		1	39.4		1.4		0.1
B2159	Sorghum Flour Standard OAS/Isotope	5g	-14		2		10	41.3		1.5		0.1
B2172	Olive Oil Isotopic Working Standard	5g	-29									
B2174	Urea Isotopic Working Standard (C-	5g	-40		1							
B2190	High enriched water	25ml		1702								
B2191	Medium enriched water	25ml		843								
B2192	Zero natural water	25ml		11								
B2193	Medium natural water	25ml		-98								
B2194	Low natural water	25ml		-269								
B2203	IRMS Certified Reference Material £	3g	-28	-25			-3	61.5	3.5		20.9	13.9
B2205	IRMS Certified Reference Material £	3g	-28	-88	-2			68.4	2.9	7.5	19.9	
B2207	Silver Phosphate Certified Referenc	1g										
B2213	Spruce (wood) powder	3g	-25		-3			50.0		0.1		40.0

Approximate values shown - certified values vary from batch to batch - refer to the analysis certificate for exact values, or contact our sales team