

Certificate of Analysis

Isotopic Reference Material Carrara Marble Powder (CaCO₃)

Part No. B2214 - Certificate No:255078

General

The isotopic values listed below were generated from results submitted by a group of isotope laboratories in an interlaboratory study.

Results are traceable to primary isotope standards issued by the I.A.E.A

This isotopic reference material (IRM) should not be considered a substitute for those primary reference materials but may be used, for example, in method development, routine checking of analytical performance or as part of a quality control programme.

The results presented in the table below are following a statistical evaluation and treatment of submitted data.

Isotope Results

	$\delta^{13}\text{C}$ V-PDB	$\delta^{18}\text{O}$ V-PDB
MEAN VALUE ‰	+2.10	-2.01
σ (1s.d.) ‰	0.07	0.1

Handling and storage

This IRM should be stored between 20°C to 25°C in its original bottle. It should be kept tightly sealed when not in use and kept away from direct sunlight and excessive moisture. Once removed, do not return unused material to the original bottle. Refer to the product SDS sheet for more detailed information.

For ¹⁸O analysis, samples should be oven dried at 70°C for a minimum of 24 hours prior to analysis.

Expiration date

This refers to the date at which time the certification of this IRM will no longer be valid. The expiration date will be three years from the date which appears on the label.

Limit of Liability

Remedies for any claimed defect in this product will be limited to product replacement or refund of purchase price. In no event will Elemental Microanalysis be liable for incidental or consequential damages.

Certification Information

The technical aspects involved in the preparation, certification and issuance of this CRM were carried out at Elemental Microanalysis Ltd, Okehampton, Devon EX20 1UB UK, Tel +44 1837 54446.

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For and on behalf of
Elemental Microanalysis Ltd

Jon Davies
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