

Certificate of Analysis (Stable Isotope)

C4 Glucose Standard
Cat No. B2218 Certificate no. 422953

General

This Analytical Standard (OAS) consists of a homogenous batch of **Glucose** derived from maize, for use as a laboratory standard in the determination of the Carbon ^{13}C isotopes.

Values and Uncertainty

The uncertainty in the quoted value is expressed as σ (1 standard deviation). Confidence limits include those due to sampling variation, weighing, calibration and measurement errors. The quoted values are based upon the results of 15 determinations in two laboratories.

This working standard is traceable to primary isotopic certified reference materials (CRMs) issued by IAEA Vienna. It is not intended to be a substitute for such primary standards.

<i>Isotope</i>	<i>Certified value (‰)</i>	<i>SD (σ)</i>
$\delta^{13}\text{C}$ V-PDB	-11.45	0.03

Expiration

The values quoted are valid until **25th April 2028** within the measurement uncertainties specified.

Storage and use

This OAS should be stored between 20°C to 25°C and should be kept tightly sealed away from light and moisture.

Information

The technical aspects involved in the preparation and issuance of this (In)Organic Analytical Standard (IAS/OAS) were carried out at Elemental Microanalysis Ltd, Okehampton, Devon EX20 1UB UK, Tel +44 1837 54446, Email enquiries@microanalysis.co.uk

For and on behalf of
Elemental Microanalysis Ltd

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