

Certificate of Analysis

(Stable Isotope)

Olive Oil Working Standard
Cat. No. B2172 – Certificate No. 235746

General

This Analytical Standard (OAS) consists of a homogenous batch of **Olive Oil** for use as a routine working laboratory standard in the determination of Carbon ^{13}C .

Values and Uncertainty

The uncertainty in the quoted value is expressed as expanded uncertainty, U, at 95% confidence and is calculated in accordance with ISO/IEC17025 according to GUM (Guidelines to Uncertainty in Measurement). Confidence limits include those due to sampling variation, weighing, calibration and measurement errors. The quoted values are based upon the results of **10** determinations.

This working standard is traceable to primary isotopic certified reference materials (CRM) issued by IAEA Vienna.

It is not intended to be a substitute for such primary standards.

Isotope	Value (‰)	Uncertainty (+/- ‰)
$\delta^{13}\text{C}_{\text{V-PDB}}$	-29.32	0.15

Expiration

The values quoted are valid until **02 Mar 2019** 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, Fax +44 1837 54544, Email info@microanalysis.co.uk.

For and on behalf of
Elemental Microanalysis Ltd

Jon Davies
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