

Certificate of Analysis

Bovine gelatin powder standard
Cat. No. B2222 – Certificate No. 426959

General

This Analytical Standard (OAS) consists of a homogenous batch of Gelatin(e) powder for use as a routine working laboratory standard in the determination of C, N, H and S and of the stable isotopes ^{13}C , ^{15}N and ^{34}S .

Values and Uncertainty

The uncertainty in the quoted values is expressed as σ (1 standard deviation). Confidence limits include those errors due to sampling variation, weighing, calibration and measurement.

This material may be used in method development, performance monitoring or as part of a quality control programme.

Values are traceable to primary standards issued by N.I.S.T. and I.A.E.A Vienna.

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

Results

Nitrogen	% = 16.10 $^{15}\text{N}_{\text{V-AIR}} = +7.54\text{‰}$	$\sigma = 0.12\%$ $\sigma = 0.12\text{‰}$
Carbon	% = 43.73 $^{13}\text{C}_{\text{V-PDB}} = -11.11\text{‰}$	$\sigma = 0.32\%$ $\sigma = 0.09\text{‰}$
Sulfur	% = 0.43 $^{34}\text{S}_{\text{V-CDT}} = +6.79\text{‰}$	$\sigma = 0.01\%$ $\sigma = 0.08\text{‰}$
Hydrogen	% = 6.91	$\sigma = 0.08\%$

Expiration

The values quoted are valid until **22 June 2028** within the measurement uncertainties specified.

Storage and Use

This OAS should be stored between 15°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

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For and on behalf of
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