



Certificate of Analysis

CERTIFIED REFERENCE MATERIAL Organic substance

Ref No: CM 52017

Lot No: 1018193

Certification Date: 27.06.2024

Barcode: 41566633

Description of the Reference Material (CRM): Benzyl Acetate

CAS No: 140-11-4

Empirical formula: C₉H₁₀O₂

MW: 150.174

Certified Purity/ Uncertainty: 99.9 +/- 0.1 %

Water content: 0.425 mg/g (determined by Karl-Fischer titration)

Expiry date: 27.07.2026

Method of certification: CRM's calibration procedure (WQP 5.15.1/22)

The following methods of analysis are used to determine purity: HPLC (Purity=100% - Assay impurities)

Analytical Data:

Column:	Chromolith® Performance RP-18e 4.6x100 mm, 2µm particle size	Gradient elution (time):	A%	B%
Mobile phase:	A: Water B: Acetonitrile	0	80	20
Flow rate:	2.0 ml/min	7	0	100
Column temperature:	20 °C	8	0	100
Injection volume:	10µl	9	80	20
Detector	DAD	11	80	20

Concept of Certification and traceability statement:

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k = 2$, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard uncertainty of measurement has been determined in accordance with EA 4/02.

Metrological traceability is established through in-house validated method.

The measurement results are traceable to SI.

Intended use:

For Laboratory Use Only

This CRM is intended for:

Calibration of TLC, GC/FID, GC/TCD, GC/ECD, GC/MS, GC/MS/MS, LC/UV, LC/MS and LC/MS/MS
Validation of analytical methods

Preparation of "working reference samples"

Detection limit and linearity studies

This statement is not intended to restrict the use for other purposes.

Instructions for the correct use of this reference material:

This CRM can be used directly or can be diluted in an appropriate solvent. Only a clean glassware should be used.

Stability and storage:

This CRM is with a guaranteed purity +/- 2% deviation prior to the expiration date. Even if the product is stable at normal laboratory conditions, in order to increase its stability, we highly recommend it: Store under normal laboratory conditions, at temperatures between 15°C to 25°C .

Hazardous situation:

The normal laboratory safety precautions should be observed when working with this CRM.

Further details for the handling of this chemical are available as safety data sheet.

Level of homogeneity

The material was tested for homogeneity by analyzing randomly selected samples according to an in-house procedure. The level of homogeneity proved satisfactory for a sample volume of min. 2 mg. The uncertainty incorporates the sample standard deviation combined with the uncertainty calculated from homogeneity and stability studies.

This certificate relates solely to the lot number given above.

All processes (including generating of this certificate) are completely controlled by the specialized Computer-Aided-Manufacturing (CAM) software.

This Certified Reference Material was produced under a quality management system that is:

- Registered to ISO 9001 Quality Management System (Lloyd's Register Quality Assurance Ltd Cert No 0039638)

- Accredited according to ISO/IEC 17025

- Accredited according to ISO 17034

This document is designed and the certified value and uncertainty are determined in accordance with ISO Guide 31, ISO Guide 35, and Eurachem / CITAC Guides

Signed by: , Manufacturing Manager



SPECTRACER UK LIMITED

2nd Floor, 27 Gloucester Place, London, W1U 8HU, United Kingdom

Tel: +44 (0) 20 7193 9114 Fax: +44 (0) 20 3432 4686 - E-mail: mel.wegrostek@spectracer.eu - Web: www.spectracer.com

Peak Integration Report

Sample Name:	Benzyl Acetate_41566633	Inj. Vol.:	10.00
Instrument Method:	Chromolith short		
Inj. Date / Time:	26-Jun-2024 / 19:38	Run Time:	11.00

No.	Time min	Peak Name	Peak Type	Area mAU*min	Height mAU	Rel.Area %
1	3.45	Benzyl Acetate	BMB*	73.214	938.557	99.93
TOTAL:				73.21	938.56	99.93

