

Certificate of Analysis

**EHRENSTORFER™**

Product Identification

10537750 Benzoic acid-ethyl ester

CA Benzoic acid, ethyl ester

IUPAC

Formula C₉H₁₀O₂

Mol.Weight 150.17

CAS No. 93-89-0

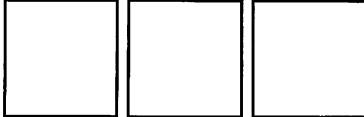
Expiry Date 20.12.2022

Lot Number 994269

Store at 20 °C ±4 °C

Please note: The expiry date is valid under recommended storage conditions only.

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg)

Physical Data

Phase liquid

Color colourless

Melt.Range

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column: Cortecs UPLC C18 1.6 µm 75 x 2.1 mm

Inj.-Vol.:

Flow: 0.5 ml/min

Ret.-Time: 3.76 min.

Method Details:

0- 1 min Water (0.1% HCOOH)/Acetonitrile (0.1% HCOOH) 98/2

1- 4 min Water (0.1% HCOOH)/Acetonitrile (0.1% HCOOH) to 2/98

4- 5 min Water (0.1% HCOOH)/Acetonitrile (0.1% HCOOH) to 98/2

5- 6 min Water (0.1% HCOOH)/Acetonitrile (0.1% HCOOH) 98/2

Identity: RT, UV, EA, IR, MS

Comment Purity was determined by chromatographic assay corrected by water.

No chromatogram available.

Inj.-Vol.: 2µl

Water Content 0.1 % Determined by Karl-Fischer Titration

Det. Purity 99.8 % Tolerance/Uncertainty +/- 1.0 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is $Uc(y) \cdot K$, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.

Certified on 20.12.2018

by N. Müller

The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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The warranty for this product is limited to the purchasing price of this product.