

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

15084400 2-Methyl-1-butanol

CA 2-Methyl-1-butanol

IUPAC 2-Methyl-1-butanol

Formula C₅H₁₂O

Mol.Weight 88.15

CAS No. 137-32-6

Reference Materials for Residue Analysis

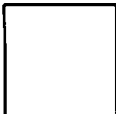
Expiry Date 15.09.2017

Lot Number 10913

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 11-36/37/38

S Code 16-26-36

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase liquid

Color colourless

Melt.Range

Vapour pressure NA at °C

Solubility in water NA g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: GC/MSD

Column: DB-5, 60 m, ID 0.25 mm

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: 4.67 min.

Method Details:

Injector: 200° C

Start Temperature: 40° C for 5 min

End Temperature: 200° C for 9.33 min

Gradient: 15° C/min

Identity: RT, MS

Comment

Water Content 0,2 % Determined by Karl-Fischer Titration

Det. Purity 99,6 % Tolerance/Uncertainty +/- 0,5 %

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 $U_c(y) \cdot K$, 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 23.02.2012

by P. Feuerriegel



The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.00 based on DIN EN ISO/IEC 17025:2005 for the weighing of amounts of substances for the preparation of standard solutions.

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



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13.01.12

File :D:\2012\15084400 10913-1.D
Operator : JV
Acquired : 9 Jan 2012 23:58 using AcqMethod 200.M
Instrument : Instrument #1
Sample Name: 2-Methyl-1-butanol, 200
Misc Info :
Vial Number: 32

