

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

15142000 2-Methyl-1-propanol

CA 2-Methyl-1-propanol

IUPAC 2-Methyl-1-propanol

Formula C₄H₁₀O

Mol.Weight 74.12

CAS No. 78-83-1

Reference Materials for Residue Analysis

Expiry Date 26.09.2017

Lot Number 41130

Store at 20 °C ±4 °C

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

Toxicological Data



R Code 10-37/38-41-67

S Code 07/09-13-26-37/39-46

LD50 (Rats female/male in mg/kg) 2460

Physical Data

Phase liquid

Color colourless

Melt.Range

Vapour pressure 117 mbar at 20 °C

Solubility in water 95 g/l at 20 °C

Boiling Range (lit.)

Analytical Data

Detection: GC/MSD

Column: DB-5, 30 m, ID 0.25 mm

Inj.-Vol.: 1,00 µl

Flow: 1,0 ml/min

Ret.-Time: 2,61 min.

Method Details:

Injector: 100° C

Start Temperature: 40° C for 5 min

End Temperature: 100° C for 6 min

Gradient: 15° C/min

Identity: RT, MS

Comment Purity was confirmed by external standard method.

Water Content 0,1 % Determined by Karl-Fischer Titration

Det. Purity 99,9 % 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 26.09.2011

by C. Endler



REF.NO.: 2074-01

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.



DGA-PL-4536.00

File :D:\2011\15142000 41130-2.D
Operator : JV
Acquired : 9 Feb 2011 6:11 using AcqMethod 100.M
Instrument : Instrument #1
Sample Name: 2-Methyl-1-propanol, 100
Misc Info :
Vial Number: 8

Vcel
9.2.11

