

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

17594000 Toluene
CA Methylbenzene
IUPAC Methylbenzene
Formula C₇H₈
Mol.Weight 92.14
CAS No. 108-88-3

Reference Materials for Residue Analysis

Expiry Date 04.10.2016
Lot Number 01004
Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
	Phase liquid Color colourless Melt.Range
R Code 11-38-48/20-63-65-67 S Code 02-36/37-62-46 LD50 (Rats female/male in mg/kg) 7513	Vapour pressure 29 hPa at 20 °C Solubility in water 0.05 g/l at 20 °C Boiling Range (lit.)
Analytical Data Detection: HPLC/DAD Column: ReproSil 100 C18 5µ 250x3 Inj.-Vol.: 1,00 µl Flow: 1,0 ml/min Ret.-Time: 2,27 min.	Method Details: Acetonitrile:H ₂ O 4:1
Identity: RT, UV Comment Purity was determined by external standard method.	
Water Content 0,0 % Det. Purity 99,5 %	Determined by Karl-Fischer Titration 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 Uc(y)*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 27.10.2010

by Dr. H. Meinholz