

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	Vapour pressure 29 hPa at 20 °C
		Color colourless	Solubility in water 0.05 g/l at 20 °C
		Melt.Range	Boiling Range (lit.)
R Code 11-38-48/20-63-65-67			
S Code 02-36/37-62-46			
LD50 (Rats female/male in mg/kg) 7513			
Analytical Data			
Detection: HPLC/DAD		Method Details:	
Column: ReproSil 100 C18 5µ 250x3		Acetonitrile:H2O 4:1	
Inj.-Vol: 1,00 µl			
Flow: 1,0 ml/min			
Ret.-Time: 2,27 min.			
Identity: RT, UV			
Comment Purity was determined by external standard method.			
Water Content 0,0 %		Determined by Karl-Fischer Titration	
Det. Purity 99,5 %		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 27.10.2010

by Dr. H. Meinholz