Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for Residue Analysis

Product Identification

17594100 Toluene D8

CA Toluene D8

IUPAC Toluene D8

Formula C7D8

Mol.Weight 100.21

CAS No. 2037-26-5

Expiry Date 30.03.2023

Lot Number 132112

Store at 20 °C ±4 °C

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

Toxicological Data

R Code 11-20-47

S Code 16-25-29-33-53

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

Physical Data

Phase liquid

Color colourless

Melt.Range

Vapour pressure N/A at °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: GC/FID

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

Inj.-Vol.: 1.00 µl

Flow: 1.0 ml/min

Ret.-Time: **7.20 min.**

Method Details:

Injector: 200° C

Start Temperature: 40° C for 5 min

End Temperature: 200° C for 16 min

Gradient: 15° C/min

Identity: RT, MS

Comment Chemical purity: 99.9%
Isotopic purity: 99.5%

Water Content 0.0 % Determined by Karl-Fischer Titration

Det. Purity 99.4 % 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)*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 30.03.2017

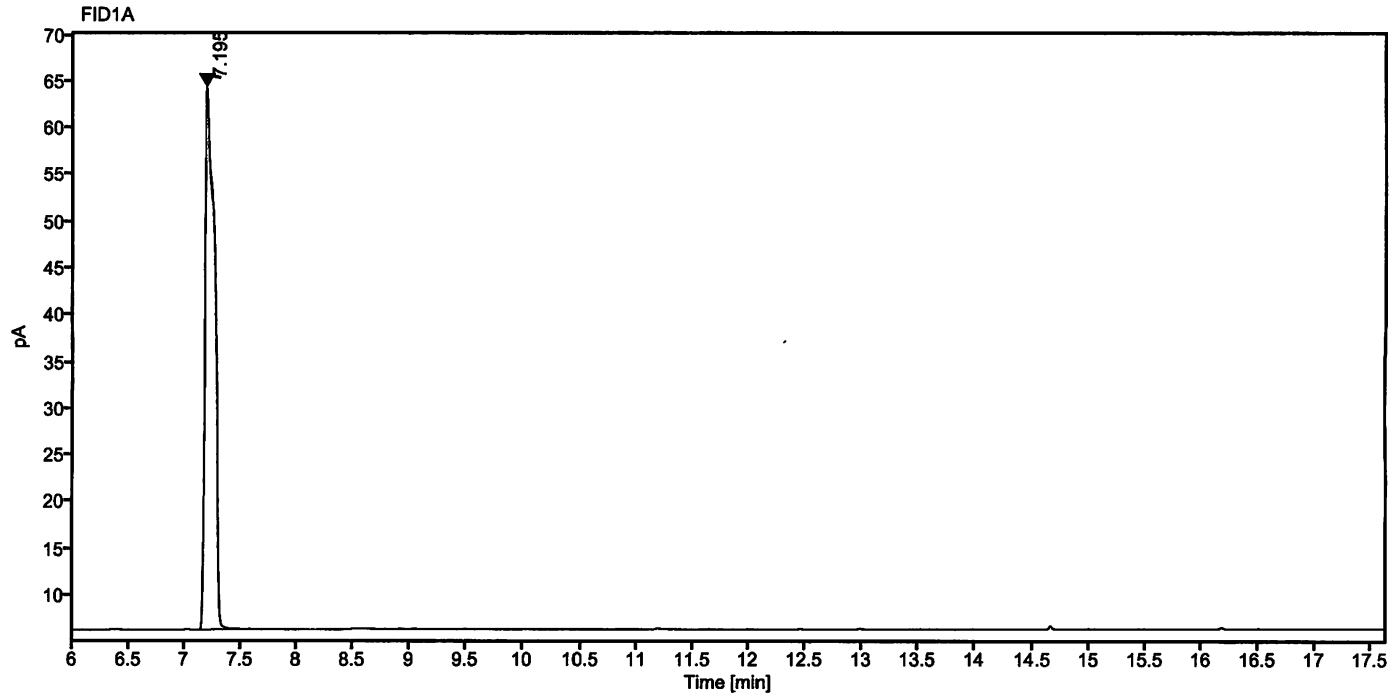
by M. Beck

The Laboratory LGC Labor GmbH is accreditated 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.

LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com

22.03.17, SL

Data file:	17594100-07 20170316 174856-r001.dx		
Sequence Name:	2017KW11-4A	**Injection date:**	3/16/2017 6:55:25 PM (GMT +01:00)
Sample name:	70316ME 132112	**Location:**	13
Instrument:	FID 2		
Inj. volume:	1.0		
Acq. method:	VOC.amx		
Sample Description	Toluene D8		



Signal: FID1A

RT [min]	Area [pA*s]	Height [pA]	Area%
7.195	324.12737	58.07	100.00
Sum	324.13		

M. Bel