Gravimetric Certificate

ISO Guide 34 Certified Reference Material

Product Identification

Article Code: DRE-LA17787900ME
Article Name: 2,3,6-Trichlorotoluene
Formula: C7H5Cl3
Mol. Weight: 195.48
CAS No.: 2077-46-5

Lot Number: H80403ME
Expiry Date: 08.05.2021
Storage Temperature: 20°C ± 4°C

Storage and handling: The CRM should be stored in the original sealed bottle at the temperature given above. After use the bottle should be tightly closed and protected from moisture and light. The expiry date is valid for original sealed bottles under recommended storage conditions only.

Gravimetric Data

Compound Name:	Lot. No.:	Purity:	Weight:
2,3,6-Trichlorotoluene	150030	95.0 %	2.425 mg

Batch Solvent:	Solvent Lot:	Batch size:
Methanol	17114547	230.00 ml

Concentration: 10.02 mg/l Expanded Uncertainty U: 0.63 mg/l

The uncertainty of this standard is calculated in accordance with the ISO Guide 34 and EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement, Second Edition. The expanded uncertainty is U(exp) = u(CRM) x k, where k is the coverage factor at the 95% confidence level (k=2). Uncertainty u(CRM) is based on the combination of the uncertainties associated with each individual operation involved in the analysis of the product: $u(CRM) = \sqrt{u(char)^2 + u(bb)^2 + u(lts)^2 + u(sts)^2}$; u(char) is the uncertainty of characterisation; u(bb) uncertainty of homogeneity test; u(lts) uncertainty of stability test long-term; u(sts) uncertainty of stability test short-term. u(lts) and u(sts) are not included in the calculation as the stability statement is based on real evidence opposed to simulation.
Minimum sample: 1 ml is recommended as the minimal sample amount. If less material is used, it is recommended to increase the certified uncertainty by a factor of two for half sample and a factor of four for a quarter of sample.
Intended use: Use this CRM as calibrant for chromatography or any other analytical technique.

Analytical Data

Traceability of chromatography: To the International System of Units (SI).

		Method Details
Instrument:	HPLC/DAD	
Detection:	DAD	Acetonitrile:Water 9:1
Column:	ReproSil 100 C18 5 µm 250 x 3 mm	
Inj.-Vol.:	10 µl	
Flow:	1.0 ml/min	
Ret.Time:	3.43 min	

Comment
Traceability: The balances used are calibrated with weights traceable to the national standards (DKD).
Calibrated class A glassware is used for volumetric measurements.

Certificate Revision 1 - 08.05.2018 - D. Schmid

Certified on: 08.05.2018
Certified by: D. Schmid
RM Release

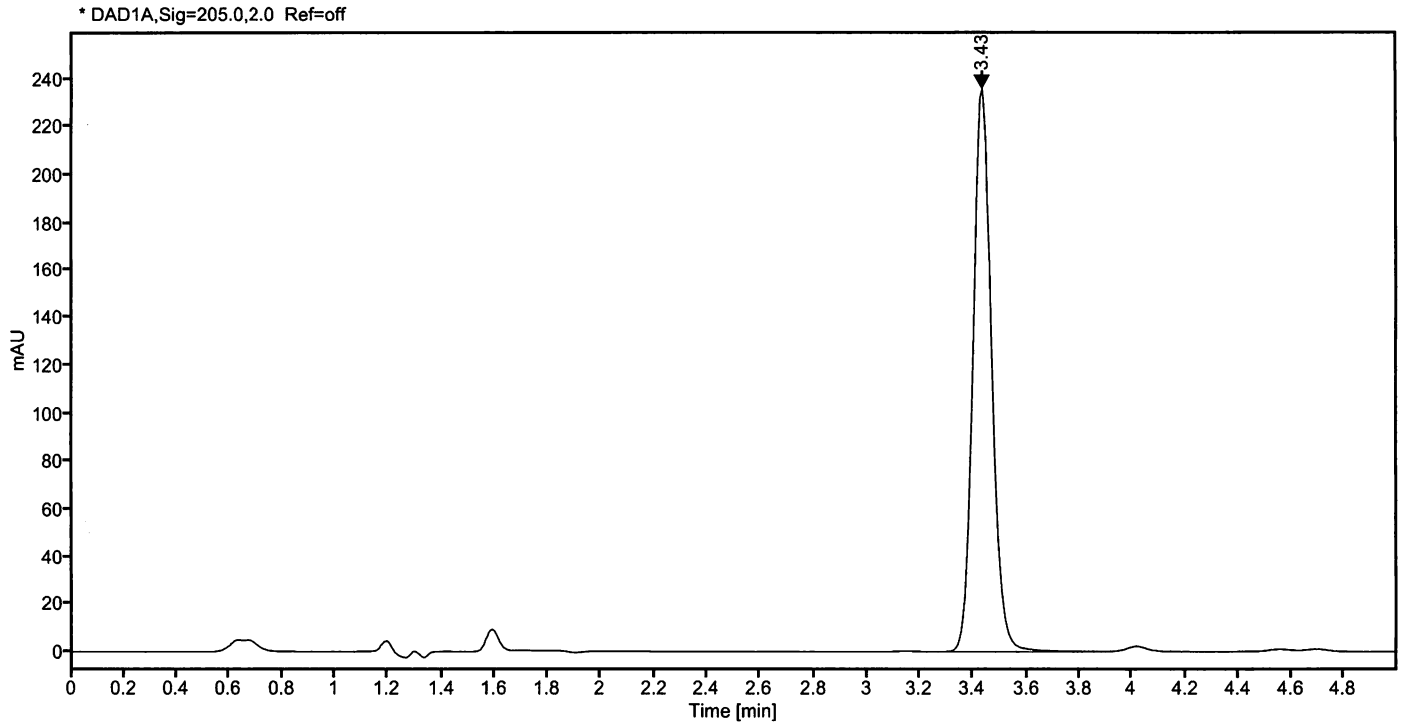
Schmid D.

The LGC Labor GmbH, 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 of organic pure substances.

LGC Labor GmbH - Bgm.-Schlosser-Straße 6A - 86199 Augsburg - Germany
Phone +49 821 906080 - Fax +49 821 9060888 - augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.

Data file:	17787900-45.dx	**Instrument:**	DAD4
Sample name:	H80403ME	**Sequence Name:**	12042018-1b
Inj. volume [µl]:	10.0	**Injection date:**	4/12/2018 5:30:49 PM
Acq. method:	91K.amx	**Location:**	22

Sample Description 2,3,6-Trichlorotoluene



Signal: * DAD1A,Sig=205.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	3.43	1151.41261	235.80	100.00
	Sum	1151.41		

Schmid D.