Certificate of Analysis

LGC | DR EHRENSTORFER™

Product Identification

11619000 Chlorthal-diacid

CA 1,4-Benzenedicarboxylic acid, 2,3,5,6-tetrachloro

IUPAC Tetrachloroterephthalic acid

Formula C8H2Cl4O4

Mol.Weight 303.9

CAS No. 2136-79-0

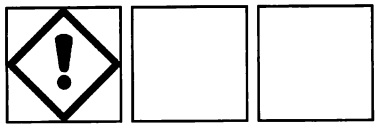
Expiry Date 29.10.2021

Lot Number 833646

Store at 20 °C ±4 °C

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

Toxicological Data



R Code

S Code

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

Physical Data

Phase crystalline solid

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: HPLC/DAD

Column:

Inj.-Vol.: 10.00 µl

Flow: 1.0 ml/min

Ret.-Time: **2.86 min.**

Method Details:

Eluent A: Acetonitrile:H2O+0,5% H3PO4 1:9 for 1 min

Eluent B: Acetonitrile 100% for 5 min

Eluent A -> Eluent B: 19 min

Identity: MS, EA, NMR, UV, RT, IR

Comment Column: Nucleodur PFP, 5µm, 250x3mm

Water Content Determined by Karl-Fischer Titration

Det. Purity 99.2 % Tolerance/Uncertainty +/- 2.0 %

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 29.10.2018

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.

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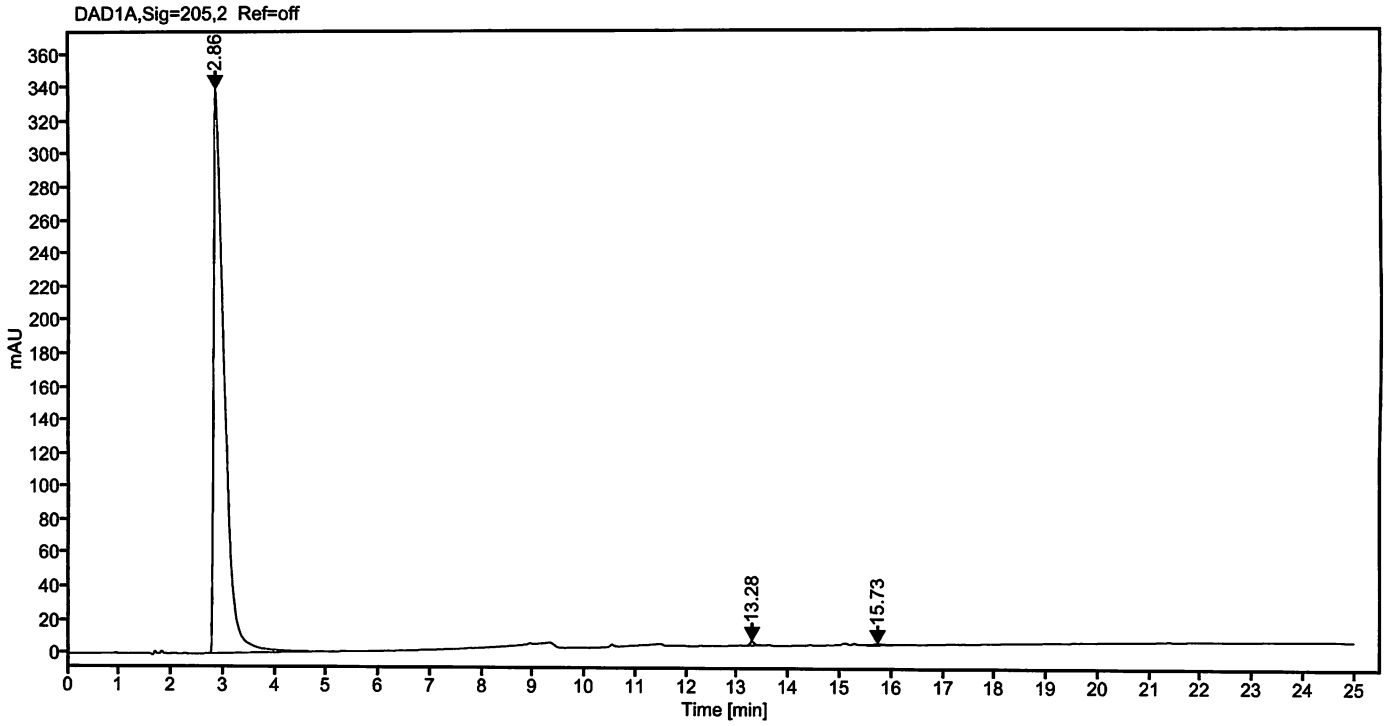
The warranty for this product is limited to the purchasing price of this product.

25.10.18
MG

Data file:	11619000-05-r002.dx	**Instrument:**	DAD5
Sample name:	81024WA 833646	**Sequence Name:**	24102018-Inst.-PFP
Inj. volume [µl]:	10.0	**Injection date:**	10/24/2018 9:05:16 AM
Acq. method:	S2_Gradient_10-100_PK.amx	**Location:**	P1-C1

Sample Description Chlorthal-diacid
Column: Nucleodur PFP, 5µm, 250x3mm



Signal: DAD1A,Sig=205,2 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	2.86	4738.96449	339.50	99.46
2	13.28	14.67196	2.56	0.31
3	15.73	11.07805	0.73	0.23
	Sum	4764.71		