

Gravimetric Certificate



Product Identification

17891200 2,4,6-Trinitrotoluene (TNT)
Formula C₇H₅N₃O₆
Mol.Weight 227.13
CAS No. 118-96-7

Expiry Date 11.09.2023
Lot Number 680630CY
Store at 20°C in the dark

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

Gravimetric Data				
Product Name		Conc. (mg/l)	Purity %	Weight (mg)
2,4,6-Trinitrotoluene (TNT)		100.000	98.0	28.573
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Cyclohexane	1092831772	280.00		
Traceability Data				
17891200 159022	neat product			
17891200 680630CY	100.000 mg/l			
Analytical Data				
Detection: HPLC/DAD	Method Details:			
Column: ReproSil 100 C18 5µ 250x3	Acetonitrile:H ₂ O 2:1			
Inj.-Vol.: 10.00 µl				
Flow: 1.0 ml/min				
Ret.-Time: 2.16 min.				
Identity check RT, UV				
Comment Property value was determined by gravimetric measurements and confirmed by peak area comparison.				
The uncertainty/tolerance of this standard is +/- 2.0 %, 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)*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 11.09.2018

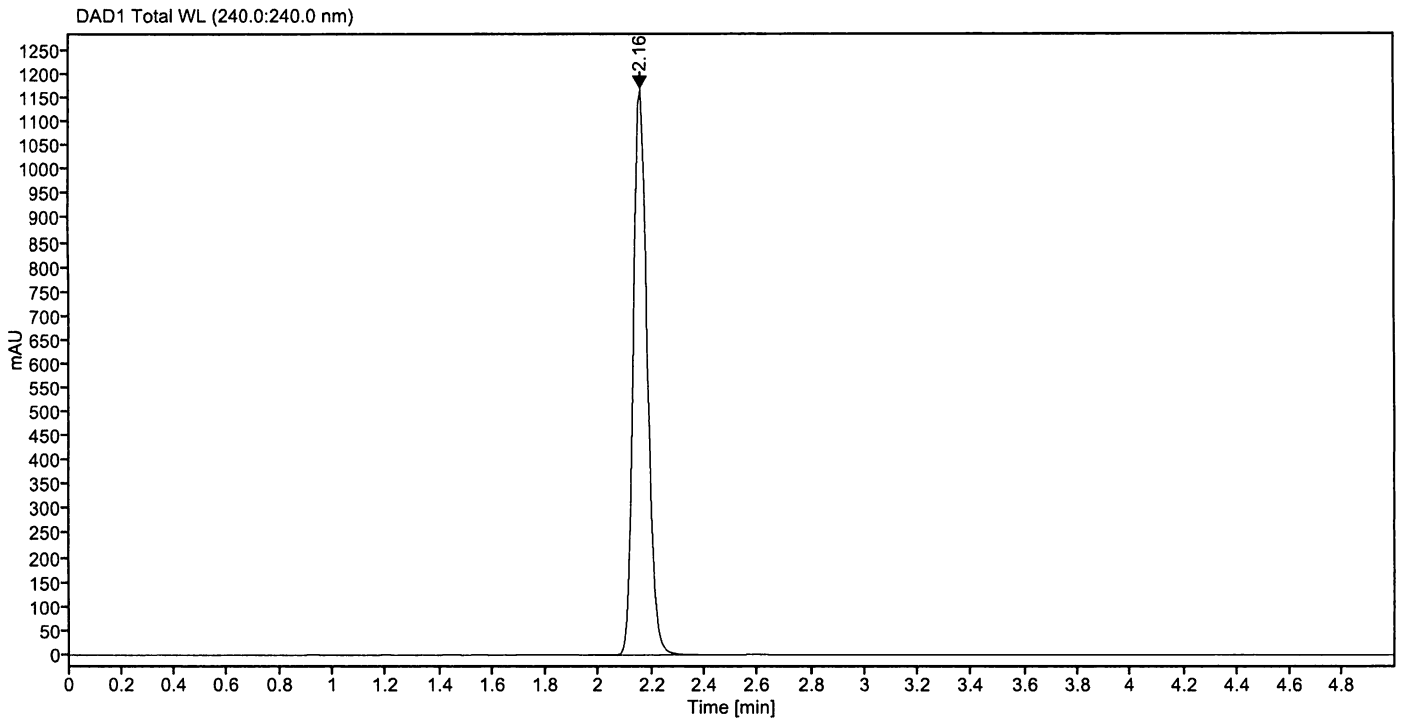
by D. Schmid

The Laboratory LGC Labor GmbH is accredited 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.

Data file: 17891200-03-r001.dx
Sample name: 680630CY
Inj. volume [µl]: 10.0
Acq. method: S1_21K.amx
Sample Description: 2,4,6-Trinitrotoluene (TNT)

Instrument: DAD5
Sequence Name: 10072018-1
Injection date: 7/10/2018 6:34:00 PM
Location: P1-A3



Signal: DAD1 Total WL (240.0:240.0 nm)

Nr.	RT [min]	Area	Height	Area%
1	2.16	4248.43316	1169.46	100.00
	Sum	4248.43		

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