

# Gravimetric Certificate

**EHRENSTORFER™****Product Identification**

20963200 2-Nitrobiphenyl  
Formula C<sub>12</sub>H<sub>9</sub>NO<sub>2</sub>  
Mol.Weight 199.21  
CAS No. 86-00-0

Expiry Date 05.12.2021  
Lot Number 993288CY  
Store at 20°C in the dark

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

<b>Gravimetric Data</b>		Conc. (mg/l)	Purity %	Weight (mg)
Product Name 2-Nitrobiphenyl		10.000	99.8	3.206
<b>Solvent Information</b>				
Solvent Cyclohexane	Lot No. I093411751	Exact Quantity (ml) 320.00		
<b>Traceability Data</b>				
20963200 50428	neat product			
20963200 993288CY	10.000 mg/l			
<b>Analytical Data</b>				
Detection: HPLC/DAD	Method Details:			
Column: ReproSil 100 C18 5µ 250x3	Acetonitrile:H <sub>2</sub> O 4:1			
Inj.-Vol.: 10.00 µl				
Flow: 1.0 ml/min				
Ret.-Time: 2.17 min.				
<b>Identity check</b> 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 $U_c(y) \cdot K$ , 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 05.12.2018

by N. Müller

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.

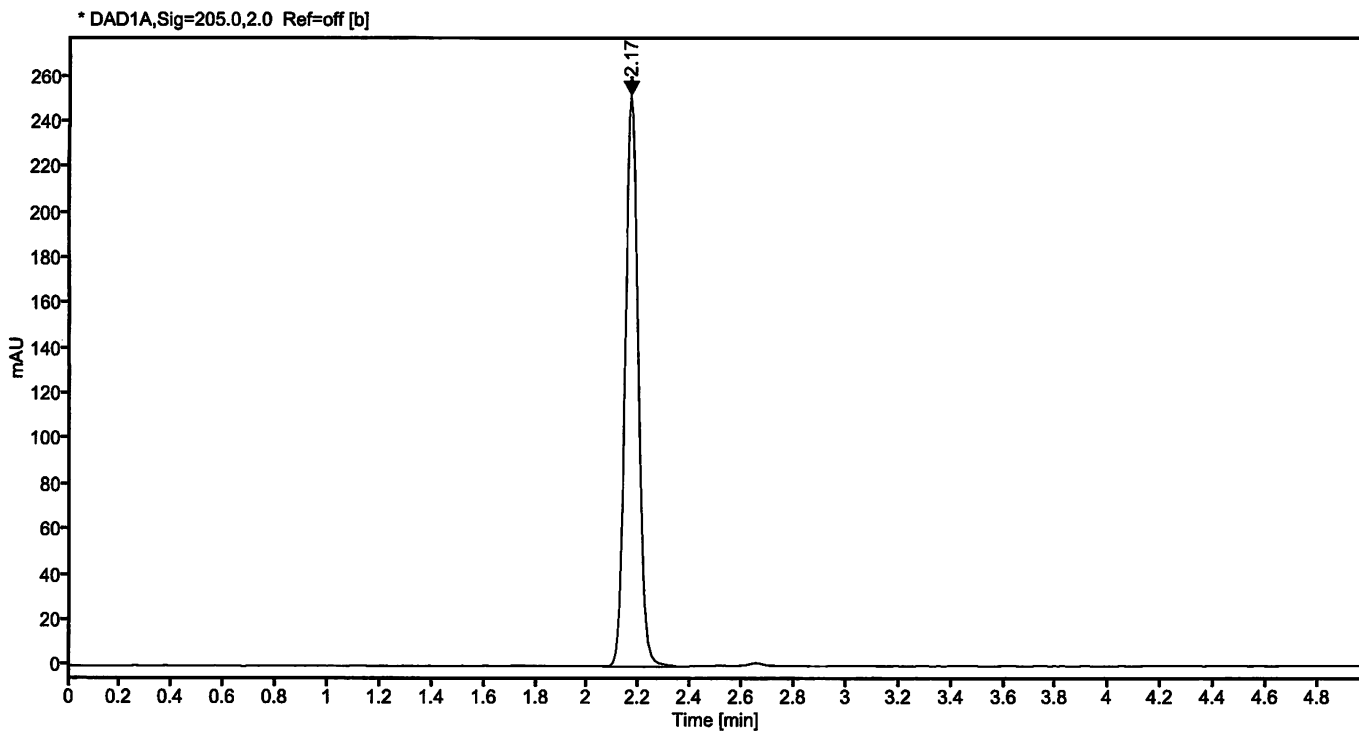
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The warranty for this product is limited to the purchasing price of this product.

8-11-2018  
4000

Data file: 20963200-12-r001.dx  
Sample name: 993288CY  
Inj. volume [µl]: 10.0  
Acq. method: 41K.amx

Instrument: DAD4  
Sequence Name: 30112018-1  
Injection date: 11/30/2018 3:53:58 PM  
Location: 57

Sample Description 2-Nitrobiphenyl



Signal: \* DAD1A,Sig=205.0,2.0 Ref=off [b]

Nr.	RT [min]	Area	Height	Area%
1	2.17	896.96433	252.42	100.00
	Sum	896.96		

*Handwritten signature*