

Gravimetric Certificate



Product Identification

10630000 Biphenyl
Formula C₁₂H₁₀
Mol.Weight 154.21
CAS No. 92-52-4

Expiry Date 18.05.2021
Lot Number 451601CY
Store at 20°C in the dark

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

Gravimetric Data		Conc. (mg/l)	Purity %	Weight (mg)
Product Name		10.000	99.9	3.200
Biphenyl				
Solvent Information				
Solvent	Lot No.	Exact Quantity (ml)		
Cyclohexane	I092831746	320.00		
Traceability Data				
10630000 119882	neat product			
10630000 451601CY	10.000 mg/l			
Analytical Data				
Detection: HPLC/DAD		Method Details:		
Column: ReproSil 100 C18 5µ 250x3		Acetonitrile:H2O 9:1		
Inj.-Vol.: 10.00 µl				
Flow: 1.0 ml/min				
Ret.-Time: 2.23 min.				
Identity check UV, RT				
Comment				
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 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 18.05.2018

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.

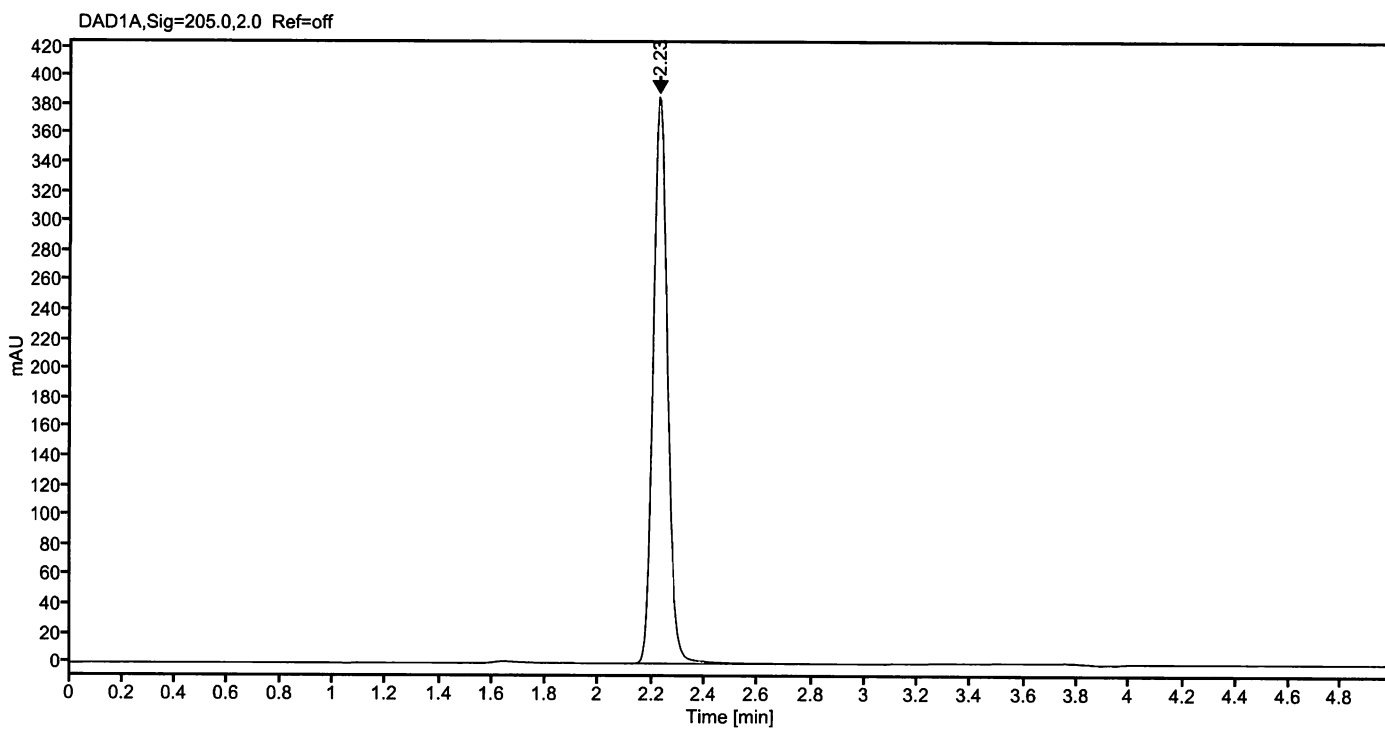
LGC Labor GmbH · Bgm.-Schlosser-Str. 6 A · 86199 Augsburg · Germany
Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.

1825 AJ

Data file: 10630000-27-r001.dx
Sample name: 451601CY
Inj. volume [µl]: 10.0
Acq. method: 91K.amx

Instrument: DAD4
Sequence Name: 17052018-1a
Injection date: 5/17/2018 9:44:23 PM
Location: 85

Sample Description Biphenyl



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

Nr.	RT [min]	Area	Height	Area%
1	2.23	1475.20893	388.48	100.00
	Sum	1475.21		

Schmid D.