3050 Spruce Street, Saint Louis, MO 63103 USA
Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:	*O*-CRESOL analytical standard
Product Number:	36922
Batch Number:	BCBW1529
Brand:	Sigma-Aldrich
CAS Number:	95-48-7
Formula:	$CH_3C_6H_4OH$
Formula Weight:	108.14
Expiration Date:	NOV 2022
Quality Release Date:	30 NOV 2017

TEST	SPECIFICATION	RESULT
APPEARANCE (FORM)	POWDER OR SOLID OR CRYSTALS OR SEMI-SOLID OR LIQUID	LIQUID
PURITY (GC AREA %)	≥ 98.0 %	99.8 %
WATER	≤ 1.0 %	0.09 %
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS

Dr. Claudia Geitner
Manager Quality Control
Buchs, Switzerland

36922 o-Cresol

Lot Number: **BCBW1529**	Sample Name: **T39629_001_GC**

Shimadzu GC-2010 Plus

Injector :	250 °C	***GC Serial Number:***	C11805270285 US
Detector (FID):	280 °C	***Injection Time:***	27.11.17 20:02
Carriergas:	Helium	***Sample Type:***	unknown
Velocity:	40.0 cm/s	***Channel:***	GC_1
Temp. Control:	see Figure 1	***Sequence Creation Time:***	03.11.17 16:53
Split Ratio:	100:1	***Sequence Created By:***	Andreas Beran
Range:	-	***Time Processed:***	06.12.17 08:30
Injection Volume:	1.0 ul	***Processed By:***	Markus Urthaler
Vial Number:	38		
Run Time:	30.00 min		
Column:	Supelcowax 10, 30 m x 0.25 mm, 0.5 um		
Sample Prep.:	10ul sample in 1ml methylene chloride		

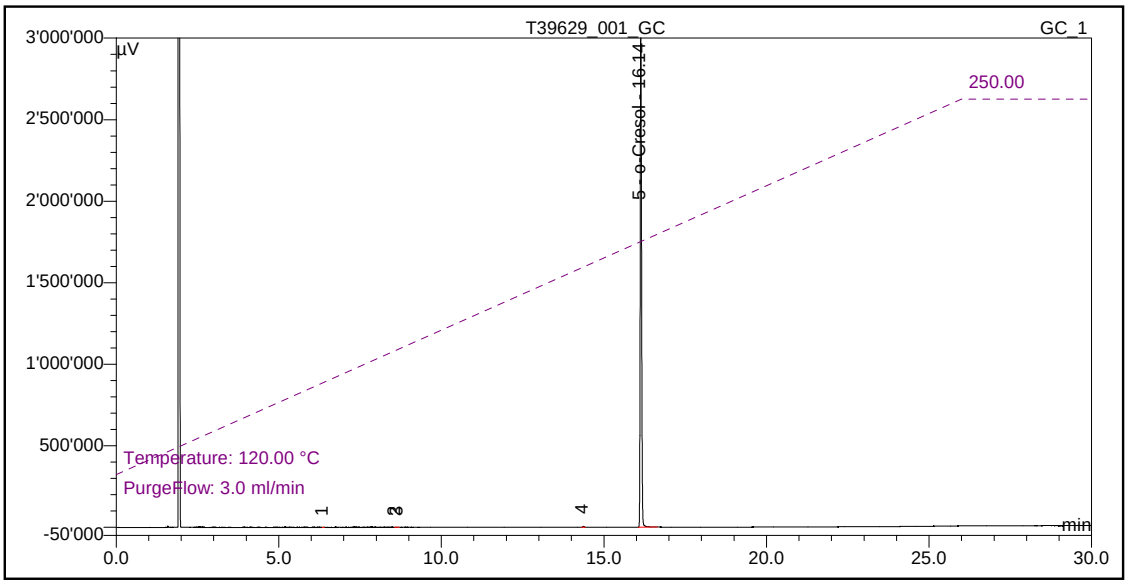

Figure 1: Zoomed Chromatogram and Temperatur Program

No.	Ret.Time min	Peak Name	Type	Height µV	Area µV*min	Amount	Rel.Area %
1	6.373	n.a.	BMB	549	18.3892	n.a.	0.013
2	8.598	n.a.	BM *	293	10.5354	n.a.	0.007
3	8.665	n.a.	MB*	363	12.9013	n.a.	0.009
4	14.371	n.a.	BMB	6324	284.0208	n.a.	0.193
5	16.136	o-Cresol	BMB	3047398	146660.2450	n.a.	99.778
Total:				3054927	146986.0917		100.000