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CERTIFICATE OF ANALYSIS

o-Phenylenediamine

CATALOG NUMBER	N-12691-1G
LOT NUMBER	9832400
DATE CERTIFIED	12/04/18
EXPIRATION DATE	12/31/22
CAS NUMBER	95-54-5
MOLECULAR FORMULA	C ₆ H ₈ N ₂
MOLECULAR WEIGHT	108.14
STORAGE	Store in a cool dry place.
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service, Inc. is accredited to ISO Guide 34:2009, ISO/IEC 17025:2005 and certified to ISO 9001:2008



ISO/IEC 17025
Accreditation Number: 63520



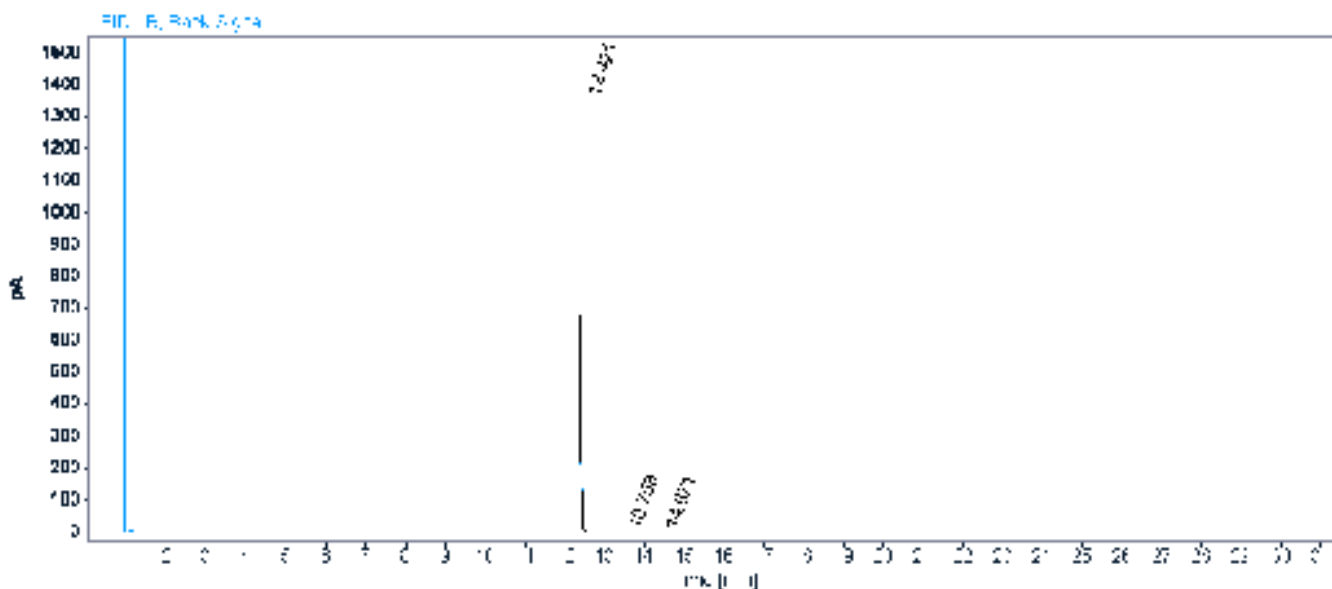
PMLA
Reference Material Producer
ISO GUIDE 34
Accreditation Number: 63520

COA Form
Revision 3 (3/2015)

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2018 DATA\1118\N-12691.D
Sample name: o-Phenylenediamine
Description:
Acq. method: MIX1.M
Instrument: GC3
Injection date: 12/4/2018 9:01:09 AM
Column name: HP-5ms Ultra Inert **Diameter** 250.000 **Length** 30.000 **Particle Size** 0.250
Location: 201
Injection Vol: 1.000
Of Injections: 1



Signal: FID1 B, Back Signal

RT [min]	Type	Width [min]	Area	Height	Area%
12.421	BB	0.0404	4271.6592	1400.7880	99.8765
13.753	BB	0.0248	3.1156	1.9784	0.0728
14.671	BB	0.0259	2.1651	1.2952	0.0506
Sum			4276.9399		