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Quality System Audited & Registered
 by NSF-ISR to ISO 9001:2008

ISO 17025 Accredited Chemical Testing Lab
 Cert. No. 3031.01

Date Received: _____

Certificate of Analysis Rev 0 Page 1 of 2

Catalog No.: 111151-17 **Lot No.:** 323711 **Storage:** ≤ -10 °C **Solvent:** M-t-BE **Exp. Date:** 2-Apr-2018 **Description:** Semi Volatile Mix 45-8, 100 mg/L, 1.2 mL

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
2-chloro-4-nitroaniline	121-87-9	99.7	3529.29.1P	100.1 +/- 1.93	mg/L
2,4-dichloroaniline	554-00-7	99.5	3054.1.1P	100.1 +/- 1.93	mg/L
2,5-Dichloroaniline	95-82-9	99	3055.1.1P	99.99 +/- 1.72	mg/L
3,4-dimethylaniline	95-64-7	99.6	3513.29.1P	100 +/- 1.92	mg/L
4-flouroaniline	371-40-4	99.9	4170.29.1P	100.1 +/- 1.93	mg/L
aniline	62-53-3	99.9	64.7.1P	101.7 +/- 1.68	mg/L
m-anisidine	536-90-3	99.3	1431.1.1P	100.1 +/- 1.93	mg/L
p-anisidine	104-94-9	99.8	1399.1.1P	100.4 +/- 1.93	mg/L
benzidine	92-87-5	98.2	124.18.6P	99.77 +/- 1.64	mg/L
2-chloroaniline	95-51-2	98	1697.9.1P	99.96 +/- 1.92	mg/L
3-chloroaniline	108-42-9	100	1696.9.2P	98.8 +/- 1.7	mg/L
4-chloroaniline	106-47-8	99.9	66.9.1.1P	99.65 +/- 2.16	mg/L
2-chloro-p-toluidine	615-65-6	98	2186.29.1P	98.65 +/- 1.9	mg/L
2,4-diaminotoluene	95-80-7	99.9	1762.115.4P	99.94 +/- 1.65	mg/L
2,6-diaminotoluene	823-40-5	99.8	2466.7.1P	100.4 +/- 1.93	mg/L
2,3-dichloroaniline	608-27-5	99.9	437.1.3.2P	101.6 +/- 1.95	mg/L
2,6-dichloroaniline	608-31-1	99.8	1690.29.1P	100.4 +/- 1.93	mg/L
3,4 Dichloroaniline	95-76-1	99.7	1050.1.1P	98.74 +/- 1.9	mg/L
3,5-Dichloroaniline	626-43-7	99.7	1048.1.1P	100.3 +/- 1.93	mg/L
3,3'-dichlorobenzidine	91-94-1	99.2	74.3.24P	99.8 +/- 1.72	mg/L
2,3-dimethylaniline	87-59-2	99.6	1703.1.1P	101.4 +/- 1.95	mg/L
2,4-dimethylaniline	95-68-1	99.5	1705.7.1P	100.5 +/- 1.93	mg/L
2,5-dimethylaniline	95-78-3	99.2	1704.1.1P	99.99 +/- 1.92	mg/L
2,6-dimethylaniline	87-62-7	99.9	1702.9.1P	99.9 +/- 1.92	mg/L
3,5-dimethylaniline	108-69-0	99.8	1706.1.1P	100.6 +/- 1.94	mg/L

Certified By: Kaylie Gillenkirk

Kaylie Gillenkirk

Manufacture Date 4-Oct-2017

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
 Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

Certificate of Analysis

Catalog No.: 111151-17

Lot No.: 323711

Expiration Date: 2-Apr-2018

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration	
N,N-dimethylaniline	121-69-7	99	497.1.1P	100.8 +/- 1.73	mg/L
3,3'-dimethylbenzidine	119-93-7	99.7	76.1.1P	100.5 +/- 2.23	mg/L
3,3'-dimethyl-4,4'-diaminodiphenylmethane	838-88-0	98.3	2089.3.5P	100.1 +/- 1.65	mg/L
diphenylamine	122-39-4	99.8	78.1.5P	100.2 +/- 1.65	mg/L
2-ethoxyaniline	94-70-2	99.7	2467.7.1P	100.2 +/- 1.93	mg/L
o-anisidine	90-04-0	99.6	1248.1.1.1P	99.8 +/- 1.92	mg/L
4,4'-methylenedianiline	101-77-9	99.2	2087.29.1P	100.6 +/- 1.94	mg/L
1-naphthylamine	134-32-7	99	79.1.1P	99.93 +/- 1.72	mg/L
2-naphthylamine	91-59-8	98	80.2.2.1P	100.2 +/- 1.93	mg/L
2-nitroaniline	88-74-4	100	69.1.3.1P	100.5 +/- 2.17	mg/L
3-nitroaniline	99-09-2	99.9	70.7.1P	99.9 +/- 1.92	mg/L
4-nitroaniline	100-01-6	99.8	71.1.1P	100 +/- 2.16	mg/L
p-phenylenediamine	106-50-3	100	83.1.4P	100 +/- 1.92	mg/L
pyridine	110-86-1	99.9	101.29.1.1P	99.65 +/- 1.92	mg/L
m-toluidine	108-44-1	99.9	486.1.1.2.1P	99.9 +/- 1.92	mg/L
o-toluidine	95-53-4	99.9	84.7.1P	100.2 +/- 1.77	mg/L
p-toluidine	106-49-0	100	487.1.1P	100.2 +/- 1.93	mg/L
2,4,5-trichloroaniline	636-30-6	98.9	1688.29.1P	98.78 +/- 1.9	mg/L

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