

Chemical Information:

Name: N-Phenyl-p-phenylenediamine.HCl Date of Analysis: 26 May 2015
CAS No.: 2198-59-6 Supplier: Acros Organics
Tox21_ID No.: Tox21_200117 Lot No.: A0165091
NTP_CID No.: 4645 MW: 220.70 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Ethanol	1.50	Not Applicable
Unknown	2.73	1.70
Unknown	3.09	0.98
N-Phenyl-p-phenylenediamine.HCl ^b	31.98	97.33

^a Peaks comprising $\geq 0.5\%$ of total area.

^b N-Phenyl-p-phenylenediamine identified by GC/MS.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~0.4 mg/mL)
Column	Rxi-5Sil MS, 30 m x 0.25 mm ID, 0.50- μ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 600 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014

