

Chemical Information:

Name: N,N'-Di-sec-butyl-p-phenyldiamine
CAS No.: 101-96-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200371 Lot No.: 358796/1
NTP_CID No.: 1018 MW: 220.35 g/mol

Date of Analysis: 27 January 2009

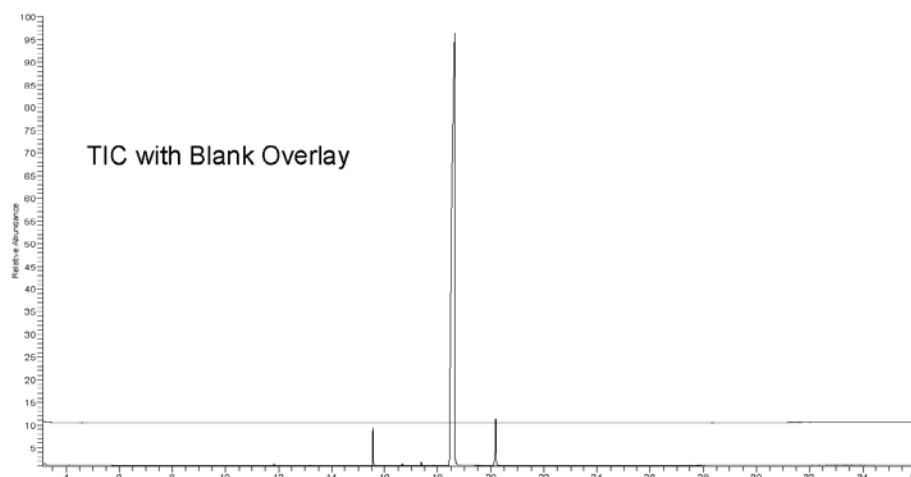
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	15.55	1.58
N,N'-Di-sec-butyl-p-phenyldiamine	18.65	95.19
unknown	20.17	2.55

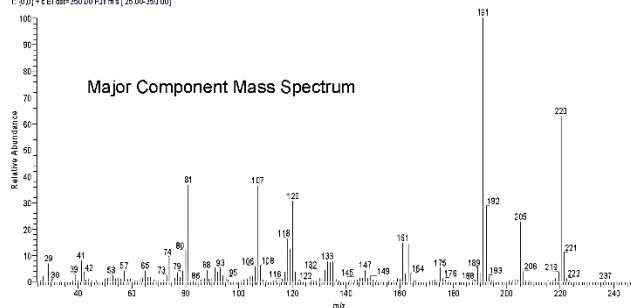
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



09a27114 # 854 RT: 18.65 Acq: 1 SE: 2 18.43, 18.65 NL: 28266
T: 30.01 + e EI det: 250.00 F: 1 m/s [25.000-250.00]



NIST Reference Mass Spectrum

