

# Chemical Information:

Name: 4-Dimethylaminoazobenzene  
CAS No.: 60-11-7 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200757 Lot No.: 055K1968  
NTP\_CID No.: 375 MW: 225.29 g/mol

Date of Analysis: 17 April 2007

## Purity and Identity Results:

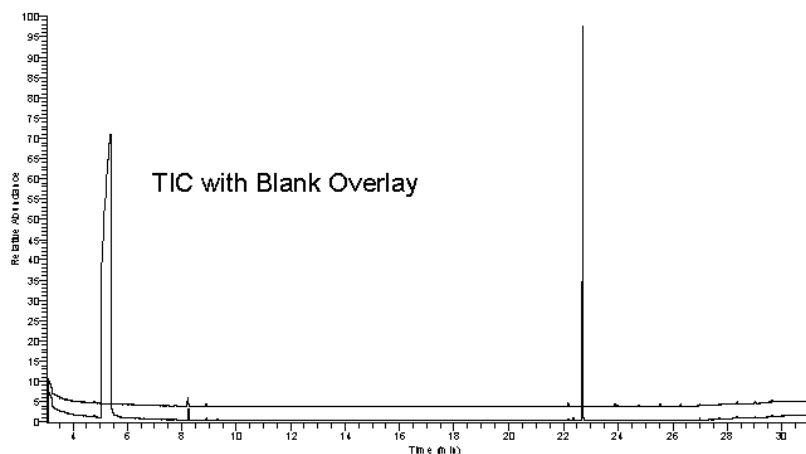
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.38	Not applicable
4-Dimethylaminoazobenzene	22.70	99.68

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

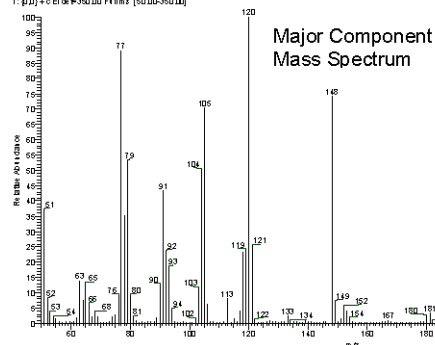
## GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.50 SM: 3G



07:01:09 #2264 RT: 22.70 AU: 1 NL: 3.94E5  
T: (P2) +0.010e+350.00 File: 07:00-350.00



NIST Reference  
Mass Spectrum

