

Chemical Information:

Name: Diisobutylamine
CAS No.: 110-96-3
Tox21_ID No.: Tox21_200177
NTP_CID No.: 2447

Supplier: Sigma-Aldrich
Lot No.: 10110MH
MW: 129.24 g/mol

Date of Analysis: 24 June 2009

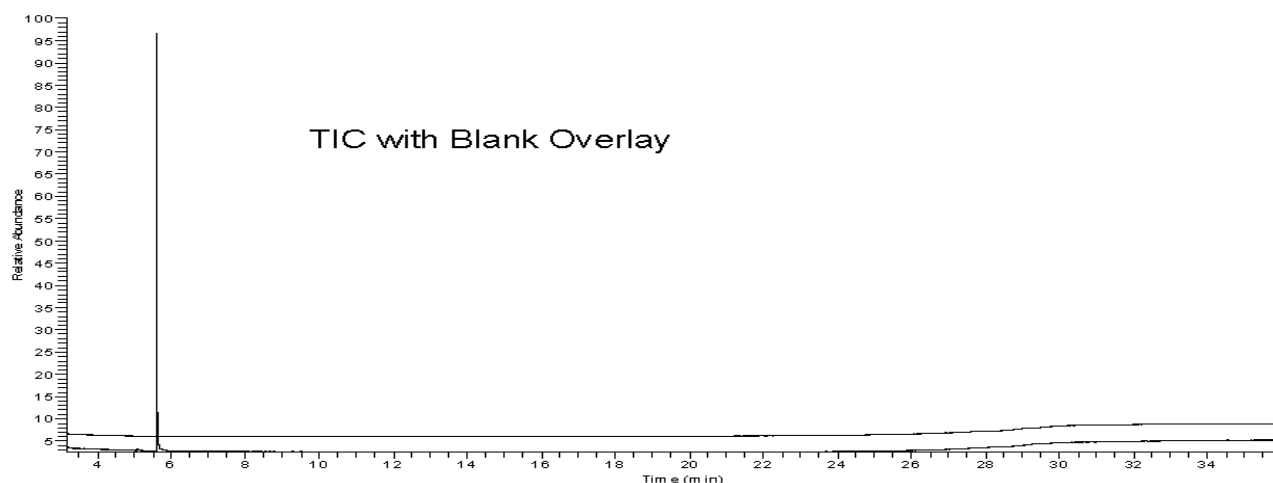
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Diisobutylamine	5.62	100.00

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

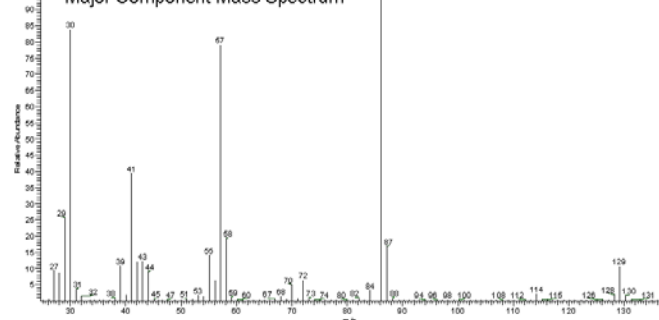
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
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 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 07/23/2008



09/24/07 #005 RT: 5.62 AU: 1 SB: 27 5.61-5.67, 5.65-6.00 NL: 3.0380
T: (0.01) + (-0.01) de=0.00 Full ms [125.00-000.00]

Major Component Mass Spectrum



NIST Reference Mass Spectrum

