

Chemical Information:

Name: Methimazole
CAS No.: 60-56-0
Tox21_ID No.: Tox21_201341
NTP_CID No.: 4434

Date of Analysis: 06 August 2009

Supplier: Sigma-Aldrich
Lot No.: 046K0705
MW: 114.17 g/mol

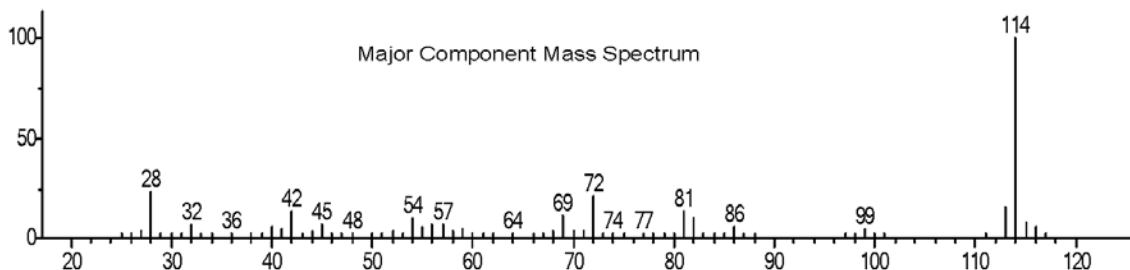
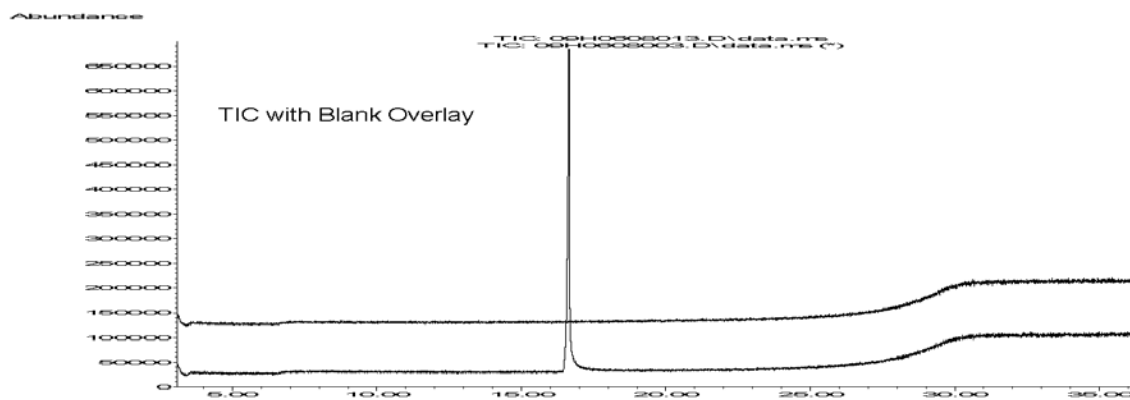
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Methimazole	16.63	100.00

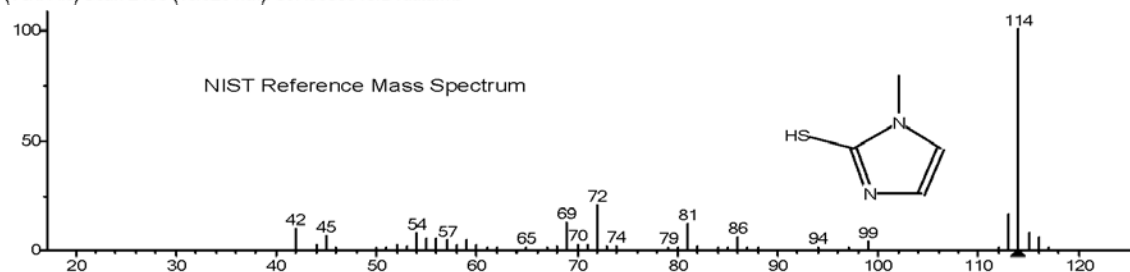
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 1 mg/mL)
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	230°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	MSD ChemStation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/08/2008



(Text File) Scan 2486 (16.626 min): 09H0608013.D\data.ms



MW: 114 CAS# 60-56-0 (replib) 2H-Imidazole-2-thione, 1,3-dihydro-1-methyl-