

Chemical Information:

Name: Sulfamethazine
CAS No.: 57-68-1
Tox21_ID No.: Tox21_202221
NTP_CID No.: 1302

Supplier: Sigma-Aldrich
Lot No.: 077K0688
MW: 278.33 g/mol

Date of Analysis: 18 December 2008

Purity and Identity Results:

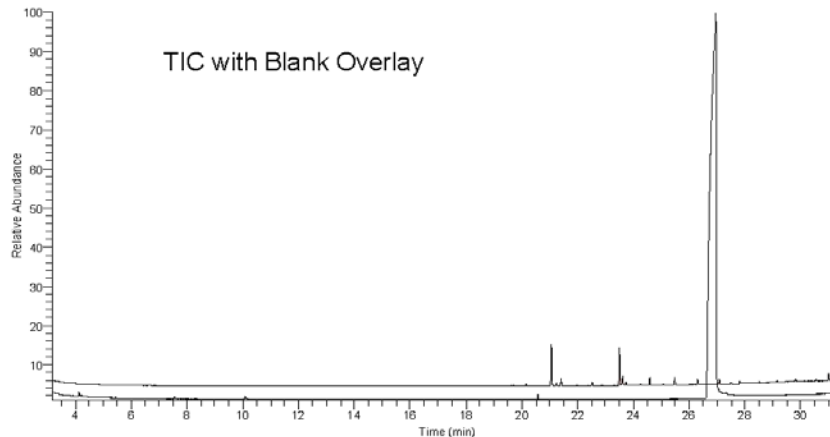
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Sulfamethazine	26.95	99.08

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

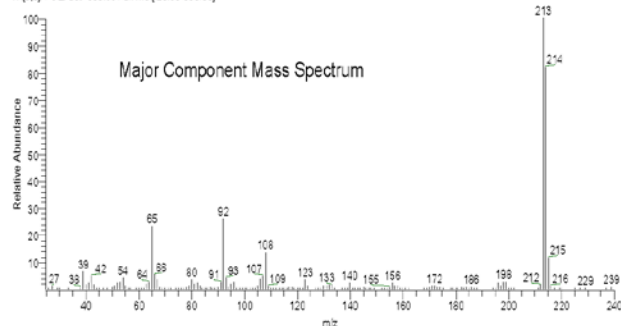
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 6 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μ L / Split (10:1)
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

RT: 3.15 - 31.49 SM 3G



06L16TOS #2834 RT: 26.92 AV: 1 SB: 2 26.99, 27.00 NL: 5.19E5
T: (0.0) + c B det=550.00 Fullms [25.00-350.00]



NIST Reference Mass Spectrum

