

Chemical Information:

Name: Ethylenediamine
CAS No.: 107-15-3
Tox21_ID No.: Tox21_201202
NTP_CID No.: 801

Supplier: Sigma-Aldrich
Lot No.: 015K0613
MW: 60.10 g/mol

Date of Analysis: 22 September 2010

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Ethylenediamine	2.83	98.38
unknown	10.44	1.26

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable (Neat)
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	200°C
Auxiliary Temperature	200°C
Scan Range	15 – 500 amu
Injector Temperature	200°C
Injection Volume / Mode	1 μ L / Split (420:1)
Data Analysis Software	Xcalibur ver 1.2, and NIST Library ver 2.0f, build 10/08/2008

