

# Chemical Information:

Name: 1-Chloro-2-propanol  
 CAS No.: 127-00-4  
 Tox21\_ID No.: Tox21\_200998  
 NTP\_CID No.: 79  
 Supplier: Sigma-Aldrich  
 Lot No.: 047378/1  
 MW: 94.54 g/mol

Date of Analysis: 16 February 2010

# Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
1-Chloro-2-propanol	3.25	71.61
2-Chloro-1-propanol	3.47	26.13
Unknown	8.93	0.81
Unknown	9.16	1.17

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

Note: The CoA specifies 98.9% chloropropanol (mixture of isomers), with the CAS No. for 1-chloro-2-propanol.

# GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- $\mu$ 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 $\mu$ L / Split (500:1)
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008

