

# Chemical Information:

Name: Pyridine, hydrochloride  
CAS No.: 628-13-7 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200163 Lot No.: 1351817  
NTP\_CID No.: 2858 MW: 115.56 g/mol

Date of Analysis: 18 December 2009

## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Pyridine, hydrochloride <sup>b</sup>	4.61	44.67
Pyridine, hydrochloride <sup>b</sup>	5.69	55.33

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

<sup>b</sup> Identified as pyridine due to dissociation of HCl.

## GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
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	230°C
Auxiliary Temperature	150°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Split (100:1)
Data Analysis Software	MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008

TIC: 09L1802010.D\data.ms  
TIC: 09L1802009.D\data.ms (\*)

