

Chemical Information:

Name: 2-Pyridinecarbonitrile
CAS No.: 100-70-9
Tox21_ID No.: Tox21_201343
NTP_CID No.: 2348

Date of Analysis: 19 June 2009

Supplier: Sigma-Aldrich
Lot No.: 13921AJ
MW: 104.11 g/mol

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|------------------------|----------------------|------------------------------------|
| 2-Pyridinecarbonitrile | 9.89 | 100.00 |

^a Peaks comprising ≥ 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-μm 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 μL / Split (100:1) |
| Run Time | 36.5 minutes |
| Data Analysis Software | MSD ChemStation ver D.03.00.SP1; NIST Library ver 2.0f, build 10/8/2008 |

