

### Chemical Information:

Name: Temazepam, pharmaceutical grade Date of Analysis: 4 June 2014  
CAS No.: 846-50-4 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200044 Lot No.: 056F0687  
NTP\_CID No.: 4760 MW: 300.74 g/mol

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Temazepam	41.51	100.00

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

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 0.4 mg/mL)
Column	Zebron ZB-5MSi, 30 m x 0.32 mm ID, 0.5- $\mu$ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	30 – 375 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Split (100:1)
Run Time	59 minutes
Data Analysis Software	MSD ChemStation, ver D.03.00.SP1 and NIST Library ver 2.0, build 10/8/2008

