

# Chemical Information:

Name: Furan  
CAS No.: 110-00-9  
Tox21\_ID No.: Tox21\_200920  
NTP\_CID No.: 820

Supplier: Sigma-Aldrich  
Lot No.: 07327HJ  
MW: 68.07 g/mol

Date of Analysis: 27 August 2010

## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Furan	3.50	99.52

<sup>a</sup> 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- $\mu$ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	-10°C, hold 4 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	150°C
Injection Volume / Mode	1 $\mu$ L / Split (420:1)
Data Analysis Software	Xcalibur ver 1.2, and NIST Library ver 2.0f, build 10/08/2008

