

**Chemical Information:**

Name: Nitrofurantoin  
CAS No.: 67-20-9  
Tox21\_ID No.: Tox21\_201924  
NTP\_CID No.: 1061

Supplier: Alfa Aesar  
Lot No.: G7640A  
MW: 238.16 g/mol

Date of Analysis: 29 June 2016

**Purity and Identity Results:**

Peak Identity	Retention Time (min)	Purity (% Total Area)
Nitrofurantoin	46.05	Not determined <sup>a</sup>

<sup>a</sup> Component observed and identified; however, response was insufficient to determine impurities.

**GC/MS Instrument Parameters:**

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 800 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

