

### Chemical Information:

Name: Metronidazole  
CAS No.: 443-48-1  
Tox21\_ID No.: Tox21\_202413  
NTP\_CID No.: 975

Supplier: Sigma-Aldrich  
Lot No.: 033K1473  
MW: 171.15 g/mol

Date of Analysis: 10 March 2009

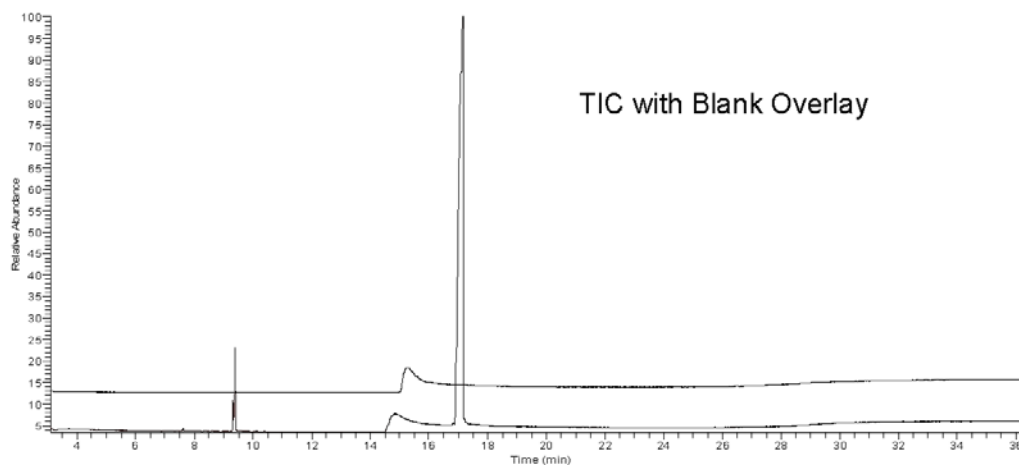
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
unknown	9.38	4.28
Metronidazole	17.17	95.53

<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	Methanol (~ 2 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	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



09:10:00 #1665 RT: 16.50 Av: 1 SB: 2 16.55, 17.25 NL: 26355  
T: 12.0) \* x E1-def-250.00 Full-mx [25.00-250.00]

