

Chemical Information:

Name: Ethyl vinyl ketone
 CAS No.: 1629-58-9
 Tox21_ID No.: Tox21_200636
 NTP_CID No.: 792

Date of Analysis: 12 November 2009

Supplier: Acros Organics
 Lot No.: A0239547
 MW: 84.12 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Ethyl vinyl ketone	4.94	84.38
C ₉ H ₁₂ O ₃	14.00	14.34

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable; analysis of neat chemical
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	10°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 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (480:1)
Data Analysis Software	Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008

