

Chemical Information:

Name: Phenol, 2,4,6-tris(1,1-dimethylethyl)- Date of Analysis: 29 July 2009
CAS No.: 732-26-3 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202374 Lot No.: S42740
NTP_CID No.: 4762 MW: 262.43 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	14.88	0.95
Phenol, 2,4,6-tris(1,1-dimethylethyl)-	16.57	99.05

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 400 µg/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 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008

