

Chemical Information:

Name: 2,6-Bis-(1,1-dimethylethyl)-2,5-cyclohexadiene-1,4-dione
CAS No.: 719-22-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200521 Lot No.: 06210CD
NTP_CID No.: 4938 MW: 220.31 g/mol

Date of Analysis: 12 November 2009

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2,6-Bis-(1,1-dimethylethyl)-2,5-cyclohexadiene-1,4-dione	15.62	100.00

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
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	230°C
Auxiliary Temperature	150°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008

