

Chemical Information:

Name: Phenol, 4,4'-butylidenebis
[2-(1,1-dimethylethyl)-5-methyl-
CAS No.: 85-60-9 Supplier: TCI America
Tox21_ID No.: Tox21_200749 Lot No.: OGF01
NTP_CID No.: 3832 MW: 382.58 g/mol

Date of Analysis: 07 August 2015

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|--|----------------------|------------------------------------|
| Phenol, 4,4'-butylidenebis[2-(1,1-dimethylethyl)-5-methyl- | 48.65 | 99.80 |

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

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- μ m film thickness |
| Carrier Gas | Helium at 2.0 mL/min |
| Oven Program | 50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min |
| Source Temperature | 230°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 40 – 500 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / Splitless |
| Run Time | 59.0 minutes |
| Data Analysis Software | MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005 |

