

### Chemical Information:

Name:	Cresyl diphenyl phosphate (CDP), mixed isomers	Date of Analysis: 04 January 2017
CAS No.:	26444-49-5	Supplier: TCI America
Tox21_ID No.:	Tox21_202888	Lot No.: G101
NTP_CID No.:	6374	MW: 362.50 g/mol

### Purity and Identity Results:

Peak Identity <sup>a</sup>	Retention Time (min)	Purity (% Total Area) <sup>b</sup>	Peak Identity <sup>a</sup>	Retention Time (min)	Purity (% Total Area) <sup>b</sup>
Triphenyl phosphate	45.77	28.05	CAS# 26446-73-1	48.84	9.41
CAS# 26444-49-5	47.11	28.97	Unknown	49.03	0.62
CAS# 26444-49-5	47.57	14.44	CAS# 26446-73-1	49.30	2.03
Unknown	47.82	1.15	CAS# 1330-78-5	49.58	1.78
CAS# 26446-73-1	48.38	10.84	CAS# 1330-78-5	50.05	1.56

<sup>a</sup> Per CoA, test article is Cresyl Diphenyl Phosphate (so called) (mixture of analogue), 96.5%. Based on mass spectra, components were identified as triphenyl phosphate, cresyl diphenyl phosphate (CAS# 26444-49-5), bis(methylphenyl) phenyl phosphate (CAS#26446-73-1), and tricresyl phosphate (CAS# 1330-78-5). Total of all analogue components = 97.08% purity.

<sup>b</sup> Peaks comprising ≥ 0.5% of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1-μm film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 15 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	50 – 400 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2f Build 2014

