

Chemical Information:

Name: Phosphamidon
CAS No.: 13171-21-6
Tox21_ID No.: Tox21_202100
NTP_CID No.: 4663

Supplier: Sigma-Aldrich
Lot No.: SZE7029X
MW: 299.69 g/mol

Date of Analysis: 15 November 2010

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
CAS# 297-99-4	18.78	16.94
Phosphamidon	19.54	83.06

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

COA indicates isomers

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m 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	200°C
Auxiliary Temperature	200°C
Scan Range	15 – 500 amu
Injector Temperature	150°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008

