

Chemical Information:

Name: Cyhalothrin/Karate

Date of Analysis: 05 May 2015

CAS No.: 68085-85-8
91465-08-6 (Lambda-)

Supplier: Wako Pure Chemical Industries, Ltd.

Tox21_ID No.: Tox21_200107

Lot No.: KWG5631

NTP_CID No.: 2144

MW: 449.85 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	20.34	1.20
Cyhalothrin	50.79	54.35
Karate	51.18	44.45

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Methanol (~ 400 μ g/mL)
Column	Restek Rx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 325°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 400 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Run Time	60 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014

