

Chemical Information:

Name: Retinol acetate
CAS No.: 127-47-9
Tox21_ID No.: Tox21_201423
NTP_CID No.: 465

Supplier: Sigma-Aldrich
Lot No.: LB68571
MW: 328.49 g/mol

Date of Analysis: 29 June 2016

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area)
Retinol acetate	46.02	Not determined ^a

^a Component observed and identified; however, response was insufficient to determine impurities.

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 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 800 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / 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 2.2 Build 2014

