

Chemical Information:

Name: Aldicarb
CAS No.: 116-06-3
Tox21_ID No.: Tox21_202227
NTP_CID No.: 460

Supplier: Sigma-Aldrich
Lot No.: 7058X
MW: 190.26 g/mol

Dates of Analysis:
LC/UV: 09 August 2017
LC/MS: 08 August 2017

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Aldicarb	9.93	99.85

^a Peaks comprising ≥ 0.5% of total area.

Instrument Parameters:

Instrument / Ionization	Waters HPLC; API-4000 / ESI+
Solvent	Methanol
Column	Grace Alltima C18, 5 µm, 250 mm x 4.6 mm ID
Injection Volume / Detection	10 µL / 215 nm
Mobile Phase	Water (A) / Methanol (B)
Program / Flow Rate	50/50 A/B for 20 minutes; 0/100 in 10 minutes, hold 10 minutes; 50/50 for 25 minutes / 1.0 mL/minute
IonSpray Voltage	4000 V
DP / EP	100 V / 10 V
Source Temperature	300°C
Scan Range	100 – 500 amu
Acquisition Software	LC/UV – TotalChrom, v 6.3.0.0445; LC/MS – Analyst v 1.63

