

Certificate of Analysis

Reference Material & Standard

Product Name:	19 Organophosphate Insecticide Mix Solution in Acetone, 100µg/mL	Catalogue Number:	MCPD191026
Appearance:	Liquid	Lot Number:	0131-SA-7128
Solvent:	Acetone	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Jan 30, 30		

Chemical Structure:

N/A

Warning:



NO.	Component	CAS No.	Certified Concentration Value (100µg/mL)	Uncertainty (%)
1	Chlorpyrifos	2921-88-2	99.6	1.7
2	Diclotophos	141-66-2	100.1	1.7
3	Monocrotophos	6923-22-4	100.4	1.7
4	Methamidophos	10265-92-6	99.5	1.7
5	Diazinon	333-41-5	99.8	1.7
6	Ethion	563-12-2	99.7	1.7
7	Dichlorvos	62-73-7	99.7	1.7
8	Dimethoate	60-51-5	99.9	1.7
9	Parathion-methyl	298-00-0	100.0	1.7
10	Acephate	30560-19-1	100.0	1.7
11	Profenofos	41198-08-7	99.6	1.7
12	Omethoate	1113-02-6	100.2	1.7

Signature:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Jan 31, 26

Date: Jan 31, 26

Date: Jan 31, 26



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



NO.	Component	CAS No.	Certified Concentration Value (100µg/mL)	Uncertainty (%)
13	Malathion	121-75-5	99.8	1.7
14	Isocarbophos	24353-61-5	100.3	1.7
15	Disulfoton	298-04-4	99.6	1.7
16	Pirimiphos-methyl	29232-93-7	99.5	1.7
17	Bromophos	2104-96-3	99.9	1.7
18	Triazophos	24017-47-8	99.7	1.7
19	Ditalimfos	5131-24-8	99.8	1.7

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of $K=2$ is chosen using approximately a 95% confidence level.

Directions:

1. General description: This product was dissolved in Acetone and sub-packed in ampoule bottles. The outer packaging is plastic cylinder.
2. Characterization strategy: Certified reference materials were selected as raw materials. Characterization was based on the mass and volume of the components used in the preparation process. external standard method was used to verify the prepared value.
3. Metrological traceability: Through the use of raw materials with traceable purity values and tested/calibrated quality or volume measures, certified value results are ultimately traceable to SI basic units of mass kilogram (kg) and national statutory volume the unit of measurement liter (L).
4. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.
5. Minimum sample size: For once use only.
6. Instructions for handling and correct use: Please shake thoroughly before use to ensure homogeneous.

Document Version:

Revision No.	Date	Reason for Revision
01	Jan 31, 26	First release.