

Certificate of Analysis

Reference Material & Standard

Product Name:	64 Pesticide Mix Solution in Acetone, 10µg/mL	Catalogue Number:	MCPD190831
Appearance:	Liquid	Lot Number:	0829-SA-7361
Solvent:	Acetone	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Aug 28, 28		

Chemical Structure:

N/A

Warning:



NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
1	Phorate-oxon sulfoxide	2588-05-8	9.8	1.8
2	cis-Chlordane (α)	5103-71-9	10.2	1.8
3	Octachlorodipropyl ether	127-90-2	10.3	1.8
4	Quintozene	82-68-8	10.4	1.8
5	Terbufos sulfone	56070-16-7	10.3	1.8
6	Methamidophos	10265-92-6	10.0	1.8
7	Diazinon	333-41-5	10.0	1.8
8	Ethion	563-12-2	10.1	1.8
9	Dimethoate	60-51-5	9.7	1.8
10	Phosphamidon	13171-21-6	9.7	1.8
11	Fenitrothion	122-14-5	10.3	1.8
12	Phosfolan	947-02-4	10.1	1.8

Signature:

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Date: Aug 29, 24

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Date: Aug 29, 24



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NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
13	Phorate sulfone	2588-04-7	9.9	1.8
14	Phorate	298-02-2	10.0	1.8
15	Pyridaphenthion	119-12-0	10.2	1.8
16	Terbufos	13071-79-9	10.5	1.8
17	Phosfolan-methyl	5120-23-0	10.3	1.8
18	Parathion-methyl	298-00-0	10.1	1.8
19	Profenofos	41198-08-7	9.9	1.8
20	Terbufos sulfoxide	10548-10-4	9.6	1.8
21	Omethoate	1113-02-6	10.2	1.8
22	Quinalphos	13593-03-8	10.2	1.8
23	Vamidothion	2275-23-2	9.9	1.8
24	Phosalone	2310-17-0	10.2	1.8
25	Sulfotep	3689-24-5	9.8	1.8
26	Trichlorfon	52-68-6	10.2	1.8
27	Pirimiphos-methyl	29232-93-7	10.0	1.8
28	Phosmet	732-11-6	9.9	1.8
29	Pirimicarb	23103-98-2	10.3	1.8
30	trans-Chlordane (γ)	5103-74-2	10.1	1.8
31	Thiofanox	39196-18-4	10.5	1.8
32	Pyridalyl	179101-81-6	10.0	1.8
33	Parathion	56-38-2	9.8	1.8
34	Triazophos	24017-47-8	9.5	1.8
35	Terbufos-oxon	56070-14-5	9.9	1.8
36	Terbufos sulfone-oxon	56070-15-6	10.3	1.8
37	Terbufos sulfoxide-oxon	56165-57-2	10.0	1.8
38	Phorate-oxon	2600-69-3	9.6	1.8
39	Phorate-oxon-sulfone	2588-06-9	9.5	1.8
40	Tolclofos-methyl	57018-04-9	10.3	1.8
41	Vinclozolin	50471-44-8	10.1	1.8
42	Tecnazene	117-18-0	9.6	1.8
43	Picoxystrobin	117428-22-5	9.8	1.8
44	Propiconazole	60207-90-1	10.0	1.8
45	Procymidone	32809-16-8	10.1	1.8
46	Phorate sulfoxide	2588-03-6	10.2	1.8
47	Fthalide	27355-22-2	9.7	1.8
48	Bromothalonil	35691-65-7	9.7	1.8
49	3,5-Dichloroaniline	626-43-7	9.5	1.8
50	Diclofop-methyl	51338-27-3	9.9	1.8
51	Oxadiazon	19666-30-9	10.3	1.8
52	Cyhalofop-butyl	122008-85-9	9.8	1.8
53	Pretilachlor	51218-49-6	10.1	1.8

ISO 17034 : 2016

ISO 9001 : 2015

No.: 202408299361

NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
54	Propanil	709-98-8	10.2	1.8
55	Dimethenamid	87674-68-8	9.8	1.8
56	Propyzamide	23950-58-5	10.3	1.8
57	Propisochlor	86763-47-5	10.4	1.8
58	Thiobencarb	28249-77-6	10.3	1.8
59	Triallate	2303-17-5	10.1	1.8
60	Uniconazole	83657-22-1	9.8	1.8
61	Pyridaben	96489-71-3	9.7	1.8
62	Propargite	2312-35-8	9.8	1.8
63	Tetradifon	116-29-0	10.2	1.8
64	Clofentezine	74115-24-5	9.6	1.8

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	Aug 29, 24	First release.