

Certificate of Analysis

Reference Material & Standard

Product Name:	52 Pesticide Mix Solution in Acetonitrile, 10µg/mL	Catalogue Number:	MCPD190867
Appearance:	Liquid	Lot Number:	1228-SA-7482
Solvent:	Acetonitrile	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Dec 27, 29		

Chemical Structure:

Warning:



N/A

NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
1	Malaoxon	1634-78-2	9.9	1.2
2	Fenamiphos	22224-92-6	10.1	1.2
3	Fosthiazate	98886-44-3	10.0	1.2
4	Diazinon	333-41-5	9.8	1.2
5	Ethoprophos	13194-48-4	9.9	1.2
6	Mevinphos	7786-34-7	10.0	1.2
7	Paraoxon methyl	950-35-6	9.7	1.2
8	Methidathion	950-37-8	10.0	1.2
9	Phorate sulfone	2588-04-7	10.5	1.2
10	Phorate	298-02-2	9.5	1.2
11	Pyridaphenthion	119-12-0	10.5	1.2
12	Acephate	30560-19-1	10.5	1.2

Signature:

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Date: Dec 28, 25

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NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
13	Naled	300-76-5	9.8	1.2
14	Phosmet	732-11-6	9.9	1.2
15	Resmethrin	10453-86-8	10.1	1.2
16	Kresoxim-methyl	143390-89-0	10.4	1.2
17	Propoxur	114-26-1	10.3	1.2
18	Chromafenozide	143807-66-3	10.2	1.2
19	Novaluron	116714-46-6	10.3	1.2
20	Chlorfluazuron	71422-67-8	9.9	1.2
21	Thiofanox-sulfoxide	39184-27-5	10.2	1.2
22	Triflumizole metabolite FM-6-1	131549-75-2	10.3	1.2
23	Cymoxanil	57966-95-7	10.3	1.2
24	Cyproconazole	94361-06-5	10.1	1.2
25	Triflumizole	68694-11-1	9.8	1.2
26	Tricyclazole	41814-78-2	10.4	1.2
27	Myclobutanil	88671-89-0	9.8	1.2
28	Zoxamide	156052-68-5	10.4	1.2
29	Phorate sulfoxide	2588-03-6	9.6	1.2
30	Iprobenfos	26087-47-8	10.3	1.2
31	Epoxiconazole	133855-98-8	9.6	1.2
32	Penthiopyrad	183675-82-3	10.2	1.2
33	Fluazifop-P-butyl	79241-46-6	10.4	1.2
34	Simazine	122-34-9	9.5	1.2
35	Bentazone	25057-89-0	9.5	1.2
36	Norflurazon	27314-13-2	10.3	1.2
37	Clomazone	81777-89-1	10.3	1.2
38	Ametryn	834-12-8	9.5	1.2
39	Bensulfuron-methyl	83055-99-6	9.5	1.2
40	Neburon	555-37-3	9.8	1.2
41	Diuron	330-54-1	10.3	1.2
42	Fluometuron	2164-17-2	10.3	1.2
43	Linuron	330-55-2	10.2	1.2
44	Diffenican	83164-33-4	9.7	1.2
45	Carfentrazone-ethyl	128639-02-1	9.8	1.2
46	Imazapyr	81334-34-1	9.6	1.2
47	Topramezone	210631-68-8	9.8	1.2
48	2,4-D 1-butyl ester	94-80-4	10.0	1.2
49	Ethoxyquin	91-53-2	9.8	1.2
50	Propargite	2312-35-8	10.0	1.2
51	Fenazaquin	120928-09-8	9.7	1.2
52	Formetanate hydrochloride	23422-53-9	10.4	1.2

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 Acetonitrile 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	Dec 28, 25	First release.