Certificate of Analysis

Reference Material & Standard

Product Name:	57 Pesticide Mix Solution in Acetonitrile, 10µg/mL	**Catalogue Number:**	MCPD190851
Appearance:	Liquid	**Lot Number:**	0223-SA-7171
Solvent:	Acetonitrile	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Feb 22, 30		

Chemical Structure:

N/A

Warning:



NO.	Component	CAS No.	Certified Concentration Value (10µg/mL)	Uncertainty (%)
1	Temephos	3383-96-8	10.3	1.2
2	Sulprofos	35400-43-2	10.0	1.2
3	Z-Tetrachlorvinphos	22248-79-9	10.5	1.2
4	Vamidothion	2275-23-2	10.4	1.2
5	Sulfotep	3689-24-5	9.8	1.2
6	Trichlorfon	52-68-6	9.8	1.2
7	Tetramethrin	7696-12-0	10.0	1.2
8	Resmethrin	10453-86-8	10.0	1.2
9	tau-Fluvalinate	102851-06-9	10.0	1.2
10	Tebufenpyrad	119168-77-3	10.4	1.2
11	Thiacloprid	111988-49-9	10.5	1.2
12	Triflumuron	64628-44-0	9.8	1.2

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Signature:

Prepared by: Lisa Date: Feb 23, 26

Reviewed by: Yuki Date: Feb 23, 26

Approved by General Manager: David Date: Feb 23, 26

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NO.	Component	CAS No.	Certified Concentration Value (10μg/mL)	Uncertainty (%)
13	Thiamethoxam	153719-23-4	9.7	1.2
14	TCMTB	21564-17-0	9.5	1.2
15	Tebufenozide	112410-23-8	9.9	1.2
16	Tebupirimfos	96182-53-5	10.0	1.2
17	Tolfenpyrad	129558-76-5	10.1	1.2
18	RH 5849	112225-87-3	10.0	1.2
19	Thiophanate-methyl	23564-05-8	9.8	1.2
20	Triazophos	24017-47-8	10.4	1.2
21	Sulfoxaflor	946578-00-3	9.6	1.2
22	Tolclofos-methyl	57018-04-9	10.1	1.2
23	Rabenzazol	40341-04-6	9.7	1.2
24	Triflumizole	68694-11-1	9.9	1.2
25	Tebuconazole	107534-96-3	10.1	1.2
26	Tetraconazole	112281-77-3	9.5	1.2
27	Triticonazole	131983-72-7	9.7	1.2
28	Simeconazole	149508-90-7	10.0	1.2
29	Tricyclazole	41814-78-2	10.1	1.2
30	Trifloxystrobin	141517-21-7	9.9	1.2
31	Zoxamide	156052-68-5	10.1	1.2
32	Silthiofam	175217-20-6	9.7	1.2
33	Triforine	26644-46-2	10.3	1.2
34	Trietazine	1912-26-1	9.7	1.2
35	Sebuthylazine	7286-69-3	10.5	1.2
36	Sebuthylazine-desethyl	37019-18-4	10.1	1.2
37	Terbuthylazine-desethyl	30125-63-4	9.9	1.2
38	Simazine	122-34-9	10.0	1.2
39	Terbutryn	886-50-0	10.4	1.2
40	Terbumeton	33693-04-8	10.4	1.2
41	Secbumeton	26259-45-0	10.2	1.2
42	Tebuthiuron	34014-18-1	10.3	1.2
43	Triflusulfuron-methyl	126535-15-7	10.4	1.2
44	Sulfosulfuron	141776-32-1	10.3	1.2
45	Sulfometuron-methyl	74222-97-2	10.0	1.2
46	Tebutam	35256-85-0	9.8	1.2
47	Thiobencarb	28249-77-6	10.1	1.2
48	Vernolate	1929-77-7	10.0	1.2
49	Triallate	2303-17-5	10.1	1.2
50	Siduron	1982-49-6	10.2	1.2
51	Thiazopyr	117718-60-2	10.1	1.2
52	Tembotrione	335104-84-2	9.8	1.2
53	Thiencarbazone-methyl	317815-83-1	9.7	1.2

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NO.	Component	CAS No.	Certified Concentration Value (10μg/mL)	Uncertainty (%)
54	Trinexapac-ethyl	95266-40-3	10.3	1.2
55	Tribufos	78-48-8	10.0	1.2
56	Uniconazole	83657-22-1	10.1	1.2
57	Thiabendazole	148-79-8	10.1	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	Feb 23, 26	First release.