

Certificate of Analysis

Reference Material & Standard

Product Name:	23 Organochlorine Pesticide Mix Solution in Acetone/Hexane, 1000µg/mL	Catalogue Number:	MCPD190997
Appearance:	Liquid	Lot Number:	1008-SA-7674
Solvent:	Acetone/Hexane	Storage:	2°C ~ 8°C Protected from light and Sealed
Expiry Date:	Oct 07, 29		

Chemical Structure:

N/A

Warning:



NO.	Component	CAS No.	Certified Concentration Value (1000µg/mL)	Uncertainty (%)
1	4,4'-DDE	72-55-9	999.8	1.8
2	2,4'-DDT	789-02-6	999.9	1.8
3	4,4'-DDT	50-29-3	1000.2	1.8
4	4,4'-Methoxychlor	72-43-5	999.9	1.8
5	4,4'-DDD	72-54-8	1000.4	1.8
6	α-HCH	319-84-6	1000.4	1.8
7	β-HCH	319-85-7	999.8	1.8
8	γ-HCH	58-89-9	1000.3	1.8
9	δ-HCH	319-86-8	1000.1	1.8
10	cis-Chlordane (α)	5103-71-9	1000.4	1.8
11	Endrin	72-20-8	1000.1	1.8
12	Heptachlor	76-44-8	1000.4	1.8

Signature:

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Date: Oct 08, 25

Date: Oct 08, 25

Date: Oct 08, 25



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NO.	Component	CAS No.	Certified Concentration Value (1000µg/mL)	Uncertainty (%)
13	Heptachlor exo-epoxide	1024-57-3	1000.3	1.8
14	Endrin ketone	53494-70-5	1000.2	1.8
15	Mirex	2385-85-5	999.7	1.8
16	Aldrin	309-00-2	1000.1	1.8
17	trans-Chlordane (γ)	5103-74-2	1000.5	1.8
18	α-Endosulfan	959-98-8	1000.3	1.8
19	β-Endosulfan	33213-65-9	999.6	1.8
20	Endrin aldehyde	7421-93-4	1000.5	1.8
21	Dieldrin	60-57-1	999.7	1.8
22	Endosulfan sulfate	1031-07-8	1000.4	1.8
23	Hexachlorobenzene	118-74-1	1000.1	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/Hexane 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	Oct 08, 25	First release.