

Certificate of Analysis

ISO 17034

IRSA 5090 Pesticide Standard

Product Number: PPM-5090-1

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Lot Number: 0006499801

Lot Issue Date: 04-Nov-2019

Expiration Date: 30-Nov-2021

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent Technologies ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
aldrin	000309-00-2	RM00635	100.2 ± 0.5 µg/mL
alpha-BHC	000319-84-6	RM14886	100.2 ± 0.5 µg/mL
beta-BHC	000319-85-7	RM15392	100.3 ± 0.5 µg/mL
gamma-BHC	000058-89-9	RM02694	100.0 ± 0.5 µg/mL
delta-BHC	000319-86-8	RM09156	100.1 ± 0.5 µg/mL
cis-chlordane	005103-71-9	RM07243	100.2 ± 0.5 µg/mL
trans-chlordane	005103-74-2	RM02726	100.2 ± 0.5 µg/mL
4,4'-DDD	000072-54-8	RM03682	100.3 ± 0.5 µg/mL
4,4'-DDE	000072-55-9	RM02892	100.2 ± 0.5 µg/mL
4,4'-DDT	000050-29-3	RM00618	100.2 ± 0.5 µg/mL
dieldrin	000060-57-1	RM15334	100.3 ± 0.5 µg/mL
endrin	000072-20-8	RM14459	100.2 ± 0.5 µg/mL
alachlor	015972-60-8	RM14112	100.0 ± 0.5 µg/mL
atrazine	001912-24-9	RM13804	100.0 ± 0.5 µg/mL
2,4'-DDD	000053-19-0	RM00625	100.0 ± 0.5 µg/mL
2,4'-DDE	003424-82-6	RM02765	100.2 ± 0.5 µg/mL
2,4'-DDT	000789-02-6	RM15379	100.3 ± 0.5 µg/mL
isodrin	000465-73-6	RM03076	100.1 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	RM03125	100.1 ± 0.5 µg/mL
heptachlor	000076-44-8	RM03111	100.2 ± 0.5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM15293	100.0 ± 0.5 µg/mL

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Analyte	CAS#	Analyte Lot	True Value
endosulfan I	000959-98-8	RM00834	100.1 ± 0.5 µg/mL
endosulfan II	033213-65-9	RM02904	100.2 ± 0.5 µg/mL
methoxychlor	000072-43-5	RM14186	100.2 ± 0.5 µg/mL
pentachlorobenzene	000608-93-5	RM03776	100.0 ± 0.5 µg/mL

Matrix: acetone

Storage: Store at Room Temperature (15° to 30°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.


Monica Bourgeois
QMS Representative