

Certificate of Analysis

ISO Guide 34

IRSA 5090 Pesticide Standard

Product Number: PPM-5090

Page: 1 of 2

Lot Number: CS-5461

Lot Issue Date: 14-Nov-2018

Expiration Date: 31-Dec-2020

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. 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	100.4 ± 0.5 µg/mL
alpha-BHC	000319-84-6	RM14370	100.2 ± 0.5 µg/mL
beta-BHC	000319-85-7	RM13194	100.1 ± 0.5 µg/mL
gamma-BHC	000058-89-9	RM02694	100.3 ± 0.5 µg/mL
delta-BHC	000319-86-8	RM09156	100.4 ± 0.5 µg/mL
cis-chlordane	005103-71-9	RM07243	100.1 ± 0.5 µg/mL
trans-chlordane	005103-74-2	RM02726	100.1 ± 0.5 µg/mL
4,4'-DDD	000072-54-8	RM00615	100.4 ± 0.5 µg/mL
4,4'-DDE	000072-55-9	RM02892	100.4 ± 0.5 µg/mL
4,4'-DDT	000050-29-3	RM06888	100.2 ± 0.5 µg/mL
dieldrin	000060-57-1	RM13088	100.3 ± 0.5 µg/mL
endrin	000072-20-8	RM13034	100.1 ± 0.5 µg/mL
alachlor	015972-60-8	RM14112	100.4 ± 0.5 µg/mL
atrazine	001912-24-9	RM13804	100.4 ± 0.5 µg/mL
2,4'-DDD	000053-19-0	RM02887	100.1 ± 0.5 µg/mL
2,4'-DDE	003424-82-6	RM02765	100.1 ± 0.5 µg/mL
2,4'-DDT	000789-02-6	RM02766	100.4 ± 0.5 µg/mL
isodrin	000465-73-6	RM03076	100.1 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	RM03125	100.4 ± 0.5 µg/mL
heptachlor	000076-44-8	RM03111	100.1 ± 0.5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM00308	100.1 ± 0.5 µg/mL
endosulfan I	000959-98-8	RM00834	100.3 ± 0.5 µg/mL
endosulfan II	033213-65-9	RM07039	100.3 ± 0.5 µg/mL
pentachlorobenzene	000608-93-5	RM03776	100.2 ± 0.5 µg/mL
methoxychlor	000072-43-5	RM12528	100.4 ± 0.5 µg/mL

Certificate of Analysis ISO Guide 34

IRSA 5090 Pesticide Standard

Product Number: PPM-5090

Page: 2 of 2

Lot Number: CS-5461

Lot Issue Date: 14-Nov-2018

Expiration Date: 31-Dec-2020

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Matrix: acetone

Storage: Store at Room Temperature (15° to 30°C), Do Not Refrigerate.

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


Monica Bourgeois
QMS Representative



ISO Guide 34 Cert No.
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026
registered ISO 9001 Quality Management System



ISO17025 Cert No.
AT-1937

ORG ver 1.1