

Certificate of Analysis

IRSA 5090 Pesticide Mixture

Product Number: CUS-12317**Page:** 1 of 2**Lot Number:** CG-3124**Lot Issue Date:** Sep-2010**Expiration Date:** Sep-2011

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA'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	ER012606-03	100.0 ± 0.5 µg/mL
alpha-BHC	000319-84-6	27275-15	100.0 ± 0.5 µg/mL
beta-BHC	000319-85-7	ER052506-01	100.0 ± 0.5 µg/mL
gamma-BHC	000058-89-9	NT01899	100.0 ± 0.5 µg/mL
delta-BHC	000319-86-8	ER051805-01	100.0 ± 0.5 µg/mL
alpha-chlordane	005103-71-9	27455-76	100.0 ± 0.5 µg/mL
gamma-chlordane	005103-74-2	ER061906-04	100.0 ± 0.5 µg/mL
4,4'-DDD	000072-54-8	W800	100.0 ± 0.5 µg/mL
4,4'-DDE	000072-55-9	X102	100.0 ± 0.5 µg/mL
4,4'-DDT	000050-29-3	02230KY	100.0 ± 0.5 µg/mL
dieldrin	000060-57-1	ER030105-03	100.0 ± 0.5 µg/mL
endrin	000072-20-8	256-27A	100.0 ± 0.5 µg/mL
alachlor	015972-60-8	4232X	100.0 ± 0.5 µg/mL
atrazine	001912-24-9	29-114A	100.0 ± 0.5 µg/mL
2,4'-DDD	000053-19-0	18307EA	100.0 ± 0.5 µg/mL
2,4'-DDE	003424-82-6	ER122203-02	100.0 ± 0.5 µg/mL
2,4'-DDT	000789-02-6	AJO-22599-59	100.0 ± 0.5 µg/mL
isodrin	000465-73-6	EX-02001LK	100.0 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	DG-04416KY	100.0 ± 0.5 µg/mL
heptachlor	000076-44-8	33379-48	100.0 ± 0.5 µg/mL

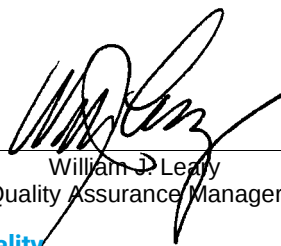
ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



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Analyte	CAS#	Analyte Lot	True Value
heptachlor epoxide - isomer B	001024-57-3	ER090105-05	100.0 ± 0.5 µg/mL
endosulfan I	000959-98-8	ER012105-02	100.0 ± 0.5 µg/mL
endosulfan II	033213-65-9	ER080805-01	100.0 ± 0.5 µg/mL
pentachlorobenzene	000608-93-5	CPS-4-128	100.0 ± 0.5 µg/mL
methoxychlor	000072-43-5	224-108B	100.0 ± 0.5 µg/mL
bromopropylate	018181-80-1	30409	100.0 ± 0.5 µg/mL
pentachloronitrobenzene	000082-68-8	MTC 87615	100.0 ± 0.5 µg/mL
pentachloroaniline	000527-20-8	GH01	100.0 ± 0.5 µg/mL
piperonyl butoxide	000051-03-6	390-71A	100.0 ± 0.5 µg/mL

Matrix: acetone**Storage:** Store at Room Temperature (18-25°C). Do Not Refrigerate.

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