



Certificate of Analysis

IRSA 5090 Pesticide Mixture

Product Number: CUS-12317

Page: 1 of 2

Lot Number: CJ-0359

Lot Issue Date: 02-Feb-2012

Expiration Date: 31-Mar-2013

This Certified Reference Material (RM) was manufactured and verified in accordance with ULTRA Scientific's 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
2,4'-DDT	000789-02-6	RM02766-01	100.0 ± 0.5 µg/mL
isodrin	000465-73-6	RM03076-01	100.0 ± 0.5 µg/mL
hexachlorobenzene	000118-74-1	RM03125-02	100.0 ± 0.5 µg/mL
heptachlor	000076-44-8	RM03111-02	100.0 ± 0.5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM03131-01	100.0 ± 0.5 µg/mL
endosulfan I	000959-98-8	RM00834-11	100.0 ± 0.5 µg/mL
endosulfan II	033213-65-9	RM02906-01	100.0 ± 0.5 µg/mL
pentachlorobenzene	000608-93-5	RM03776-01	100.0 ± 0.5 µg/mL
methoxychlor	000072-43-5	RM01712-07	100.0 ± 0.5 µg/mL
bromopropylate	018181-80-1	RM01154-01	100.0 ± 0.5 µg/mL
pentachloronitrobenzene	000082-68-8	RM02477-01	100.0 ± 0.5 µg/mL
pentachloroaniline	000527-20-8	NT01960-00	100.0 ± 0.5 µg/mL
piperonyl butoxide	000051-03-6	RM01751-01	100.0 ± 0.5 µg/mL
aldrin	000309-00-2	RM00635-01	100.0 ± 0.5 µg/mL
alpha-BHC	000319-84-6	RM02725-08	100.0 ± 0.5 µg/mL
beta-BHC	000319-85-7	RM02724-03	100.0 ± 0.5 µg/mL
gamma-BHC	000058-89-9	RM02694-01	100.0 ± 0.5 µg/mL
delta-BHC	000319-86-8	RM02723-03	100.0 ± 0.5 µg/mL
alpha-chlordane	005103-71-9	RM02742-03	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.



ISO 17025:2005
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ISO 9001:2008
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gamma-chlordane	005103-74-2	RM02726-03	100.0 ± 0.5 µg/mL
4,4'-DDD	000072-54-8	RM00615-01	100.0 ± 0.5 µg/mL
4,4'-DDE	000072-55-9	RM02892-02	100.0 ± 0.5 µg/mL
4,4'-DDT	000050-29-3	RM02881-01	100.0 ± 0.5 µg/mL
dieldrin	000060-57-1	RM03957-01	100.0 ± 0.5 µg/mL
endrin	000072-20-8	RM00557-05	100.0 ± 0.5 µg/mL
alachlor	015972-60-8	RM02843-07	100.0 ± 0.5 µg/mL
atrazine	001912-24-9	RM03843-01	100.0 ± 0.5 µg/mL
2,4'-DDD	000053-19-0	RM02887-01	100.0 ± 0.5 µg/mL
2,4'-DDE	003424-82-6	RM02765-01	100.0 ± 0.5 µg/mL

Matrix: acetone

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

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