



Certificate of Analysis

Organochlorine Pesticides Mixture

Product Number: MISA-220

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Lot Number: CR-5159

Lot Issue Date: 13-Nov-2017

Expiration Date: 31-Dec-2018

This ISO Guide 34 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	RM00635	2007 ± 10 µg/mL
alpha-BHC	000319-84-6	RM12548	2004 ± 10 µg/mL
beta-BHC	000319-85-7	RM13194	2005 ± 10 µg/mL
gamma-BHC	000058-89-9	RM02694	2005 ± 10 µg/mL
delta-BHC	000319-86-8	RM09156	2006 ± 10 µg/mL
4,4'-DDD	000072-54-8	RM00615	2005 ± 10 µg/mL
4,4'-DDE	000072-55-9	RM02892	2000 ± 10 µg/mL
4,4'-DDT	000050-29-3	RM06888	2003 ± 10 µg/mL
dieldrin	000060-57-1	RM13081	2003 ± 10 µg/mL
endosulfan I	000959-98-8	RM00834	2003 ± 10 µg/mL
endosulfan II	033213-65-9	RM07039	2002 ± 10 µg/mL
endosulfan sulfate	001031-07-8	RM12593	2000 ± 10 µg/mL
endrin	000072-20-8	RM00557	2002 ± 10 µg/mL
endrin aldehyde	007421-93-4	RM12540	2002 ± 10 µg/mL
endrin ketone	053494-70-5	RM11180	2008 ± 10 µg/mL
heptachlor	000076-44-8	RM03111	2007 ± 10 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM13200	2002 ± 10 µg/mL
methoxychlor	000072-43-5	RM10269	2008 ± 10 µg/mL

Matrix: acetone

Storage: Store Refrigerated (2° to 8°C), Do Not Freeze.

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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