

Certificate of Analysis

Organochlorine Pesticide Mixture

Product Number PPM-525E

Page: 1 of 2

Lot Number: CM-1409

Lot Issue Date: 26-Mar-2015

Expiration Date: 30-Apr-2018

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
alachlor	015972-60-8	RM09791	100.3 ± 0.5 µg/mL
aldrin	000309-00-2	RM00635	100.3 ± 0.5 µg/mL
cis-chlordane	005103-71-9	RM07243	100.3 ± 0.5 µg/mL
alpha-BHC	000319-84-6	RM09587	100.1 ± 0.5 µg/mL
atrazine	001912-24-9	RM03843	100.3 ± 0.5 µg/mL
beta-BHC	000319-85-7	RM06986	100.1 ± 0.5 µg/mL
chlorobenzilate	000510-15-6	RM10084	100.2 ± 0.5 µg/mL
chlorothalonil	001897-45-6	RM09468	100.2 ± 0.5 µg/mL
chloroneb	002675-77-6	RM00198	100.3 ± 0.5 µg/mL
DCPA	001861-32-1	RM00201	100.4 ± 0.5 µg/mL
delta-BHC	000319-86-8	RM05696	100.0 ± 0.5 µg/mL
4,4'-DDD	000072-54-8	RM00615	100.2 ± 0.5 µg/mL
4,4'-DDT	000050-29-3	RM06888	100.4 ± 0.5 µg/mL
4,4'-DDE	000072-55-9	RM02891	100.1 ± 0.5 µg/mL
dieldrin	000060-57-1	RM03957	100.1 ± 0.5 µg/mL
endosulfan I	000959-98-8	RM00834	100.1 ± 0.5 µg/mL
endosulfan II	033213-65-9	RM07039	100.4 ± 0.5 µg/mL
endosulfan sulfate	001031-07-8	RM06741	100.0 ± 0.5 µg/mL
endrin	000072-20-8	NT01979	100.2 ± 0.5 µg/mL
endrin aldehyde	007421-93-4	RM04131	100.1 ± 0.5 µg/mL

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

Certificate of Analysis

Organochlorine Pesticide Mixture

Product Number PPM-525E

Page: 2 of 2

Lot Number: CM-1409

Lot Issue Date: 26-Mar-2015

Expiration Date: 30-Apr-2018

Analyte	CAS#	Analyte Lot	True Value
etridiazole	002593-15-9	RM07063	100.2 ± 0.5 µg/mL
trans-chlordane	005103-74-2	RM02726	100.4 ± 0.5 µg/mL
heptachlor	000076-44-8	RM03111	100.1 ± 0.5 µg/mL
heptachlor epoxide - isomer B	001024-57-3	RM05373	100.2 ± 0.5 µg/mL
gamma-BHC	000058-89-9	RM02694	100.1 ± 0.5 µg/mL
methoxychlor	000072-43-5	RM07523	100.3 ± 0.5 µg/mL
simazine	000122-34-9	RM00622	100.1 ± 0.5 µg/mL
trans-nonachlor	039765-80-5	RM03191	100.3 ± 0.5 µg/mL
permethrins (mixed isomers,total)	052645-53-1	RM10197	200.4 ± 1.0 µg/mL

Matrix: acetone

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

ULTRA 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.