



Certificate of Analysis

DM 471 Pesticide Mixture

Product Number: PPM-471A

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Lot Number: CR-4590

Lot Issue Date: 13-Oct-2017

Expiration Date: 30-Nov-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	100.1 ± 0.5 µg/mL
alpha-BHC	000319-84-6	RM12511	100.3 ± 0.5 µg/mL
beta-BHC	000319-85-7	RM11388	100.3 ± 0.5 µg/mL
gamma-BHC	000058-89-9	RM02694	100.3 ± 0.5 µg/mL
cis-chlordane	005103-71-9	RM07243	100.2 ± 0.5 µg/mL
trans-chlordane	005103-74-2	RM02726	99.7 ± 0.5 µg/mL
4,4'-DDD	000072-54-8	RM00615	100.3 ± 0.5 µg/mL
4,4'-DDE	000072-55-9	RM02892	100.0 ± 0.5 µg/mL
4,4'-DDT	000050-29-3	RM06888	100.2 ± 0.5 µg/mL
dieldrin	000060-57-1	RM03957	100.0 ± 0.5 µg/mL
endrin	000072-20-8	RM13034	100.3 ± 0.5 µg/mL
alachlor	015972-60-8	RM10831	100.4 ± 0.5 µg/mL
atrazine	001912-24-9	RM10318	100.0 ± 0.5 µg/mL
2,4'-DDD	000053-19-0	RM02888	100.4 ± 0.5 µg/mL
2,4'-DDE	003424-82-6	NT02003	99.6 ± 0.5 µg/mL
2,4'-DDT	000789-02-6	RM02766	100.2 ± 0.5 µg/mL

Matrix: acetone

Storage: Store at Room Temperature (15° to 30°C).

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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