



# Certificate of Analysis

## Organophosphorous Pesticides Mixture

**Product Number:** SPM-824

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**Lot Number:** CS-1553

**Lot Issue Date:** 29-Mar-2018

**Expiration Date:** 31-Jul-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        |
|--------------------------------|-------------|-------------|-------------------|
| guthion                        | 000086-50-0 | RM12019     | 200.5 ± 1.0 µg/mL |
| bolstar                        | 035400-43-2 | RM12017     | 200.8 ± 1.0 µg/mL |
| chlorpyrifos                   | 002921-88-2 | RM13347     | 200.6 ± 1.0 µg/mL |
| coumaphos                      | 000056-72-4 | RM12738     | 200.2 ± 1.0 µg/mL |
| demeton (total, mixed isomers) | 008065-48-3 | RM13709     | 199.8 ± 1.0 µg/mL |
| diazinon                       | 000333-41-5 | RM12216     | 200.2 ± 1.0 µg/mL |
| dichlorvos                     | 000062-73-7 | RM10844     | 199.5 ± 1.0 µg/mL |
| disulfoton                     | 000298-04-4 | RM13472     | 199.8 ± 1.0 µg/mL |
| ethoprop                       | 013194-48-4 | RM12605     | 200.8 ± 1.0 µg/mL |
| fensulfothion                  | 000115-90-2 | RM13471     | 200.8 ± 1.0 µg/mL |
| fenthion                       | 000055-38-9 | RM12964     | 200.5 ± 1.0 µg/mL |
| merphos                        | 000150-50-5 | RM13416     | 200.6 ± 1.0 µg/mL |
| methyl parathion               | 000298-00-0 | RM10613     | 200.4 ± 1.0 µg/mL |
| mevinphos                      | 007786-34-7 | RM10622     | 199.5 ± 1.0 µg/mL |
| naled                          | 000300-76-5 | RM12651     | 200.5 ± 1.0 µg/mL |
| phorate                        | 000298-02-2 | RM13473     | 199.6 ± 1.0 µg/mL |
| fenchlorphos                   | 000299-84-3 | RM09249     | 199.5 ± 1.0 µg/mL |
| tetrachlorvinphos              | 022248-79-9 | RM13198     | 200.8 ± 1.0 µg/mL |
| tokuthion                      | 034643-46-4 | RM12635     | 199.1 ± 1.0 µg/mL |
| trichloronate                  | 000327-98-0 | RM13711     | 199.7 ± 1.0 µg/mL |

**Matrix:** hexane/acetone (1:1)

**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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