

# Certificate of Analysis

## ISO Guide 34

### Organophosphorous Pesticides Standard

**Product Number:** SPM-824-1

**Page:** 1 of 2

**Lot Number:** 0006460301

**Lot Issue Date:** 24-Apr-2019

**Expiration Date:** 31-Aug-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent'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     | 200.3 ± 1.0 µg/mL |
| bolstar                        | 035400-43-2 | RM04166     | 200.2 ± 1.0 µg/mL |
| chlorpyrifos                   | 002921-88-2 | RM14246     | 200.2 ± 1.0 µg/mL |
| coumaphos                      | 000056-72-4 | RM12738     | 200.1 ± 1.0 µg/mL |
| demeton (total, mixed isomers) | 008065-48-3 | RM13709     | 200.2 ± 1.0 µg/mL |
| diazinon                       | 000333-41-5 | R9202-1     | 200.5 ± 1.0 µg/mL |
| dichlorvos                     | 000062-73-7 | RM09203     | 200.5 ± 1.0 µg/mL |
| disulfoton                     | 000298-04-4 | RM14250     | 200.4 ± 1.0 µg/mL |
| ethoprop                       | 013194-48-4 | RM12690     | 200.1 ± 1.0 µg/mL |
| fensulfothion                  | 000115-90-2 | RM14269     | 200.3 ± 1.0 µg/mL |
| fenthion                       | 000055-38-9 | R4126-1     | 200.1 ± 1.0 µg/mL |
| merphos                        | 000150-50-5 | RM14745     | 200.6 ± 1.0 µg/mL |
| methyl parathion               | 000298-00-0 | R4427-1     | 200.3 ± 1.0 µg/mL |
| mevinphos                      | 007786-34-7 | R4344-1     | 200.7 ± 1.0 µg/mL |
| naled                          | 000300-76-5 | RM12651     | 200.3 ± 1.0 µg/mL |
| phorate                        | 000298-02-2 | RM14684     | 200.1 ± 1.0 µg/mL |
| fenchlorphos                   | 000299-84-3 | R4267-1     | 200.5 ± 1.0 µg/mL |
| tetrachlorvinphos              | 022248-79-9 | RM05693     | 200.1 ± 1.0 µg/mL |
| tokuthion                      | 034643-46-4 | RM14624     | 200.6 ± 1.0 µg/mL |
| trichloronate                  | 000327-98-0 | RM14747     | 200.8 ± 1.0 µg/mL |

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

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**Analyte**

**CAS#**

**Analyte Lot**

**True Value**

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

Agilent 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.



Monica Bourgeois

QMS Representative



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Produced in accordance with TUV USA Inc 56 100 18560026  
registered ISO 9001 Quality Management System



ISO17025 Cert No.  
AT-1937