



## Certificate of Analysis

### LC/MS Pesticide Standard #5

**Part Number:** 5190-0551-5

**Lot Number:** CT-1382

**Date of release:**

**19 March 2019**

**Date of expiration:**

**30 April 2020**

This analytical reference material was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

| Analyte            | CAS#        | Analyte Lot | Purity % | True Value        |
|--------------------|-------------|-------------|----------|-------------------|
| aldicarb           | 000116-06-3 | RM14309     | 98.1     | 100.1 ± 0.5 µg/mL |
| carboxin           | 005234-68-4 | RM03662     | 99.0     | 100.0 ± 0.5 µg/mL |
| fenobucarb         | 003766-81-2 | RM03007     | 99.5     | 100.5 ± 0.5 µg/mL |
| fenpropidin        | 067306-00-7 | RM12326     | 98.0     | 100.0 ± 0.5 µg/mL |
| methabenzthiazuron | 018691-97-9 | RM03158     | 99.9     | 99.9 ± 0.5 µg/mL  |
| methomyl           | 016752-77-5 | RM13184     | 99.1     | 100.2 ± 0.5 µg/mL |
| oxamyl             | 023135-22-0 | RM13046     | 99.5     | 99.5 ± 0.5 µg/mL  |
| propamocarb        | 024579-73-5 | RM13838     | 98.7     | 99.7 ± 0.5 µg/mL  |
| pyridaben          | 096489-71-3 | RM04048     | 99.5     | 100.5 ± 0.5 µg/mL |
| pyriproxyfen       | 095737-68-1 | RM09178     | 98.0     | 100.0 ± 0.5 µg/mL |
| thiofanox          | 039196-18-4 | RM13885     | 98.2     | 100.2 ± 0.5 µg/mL |
| alanycarb          | 083130-01-2 | RM12673     | 99.0     | 100.0 ± 0.5 µg/mL |
| acetamiprid        | 135410-20-7 | RM10082     | 100      | 100.0 ± 0.5 µg/mL |
| azoxystrobin       | 131860-33-8 | RM03833     | 99.5     | 100.5 ± 0.5 µg/mL |
| dimethomorph       | 110488-70-5 | RM00591     | 99.9     | 99.9 ± 0.5 µg/mL  |
| fenamidone         | 161326-34-7 | RM14083     | 99.5     | 99.5 ± 0.5 µg/mL  |
| fenazaquin         | 120928-09-8 | RM14279     | 98.7     | 99.7 ± 0.5 µg/mL  |
| imidacloprid       | 138261-41-3 | RM09874     | 99.5     | 100.5 ± 0.5 µg/mL |



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|-----------------|-------------|-------------|----------|-------------------|
| iprovalicarb    | 140923-17-7 | RM05393     | 98.7     | 99.7 ± 0.5 µg/mL  |
| methoxyfenozide | 161050-58-4 | RM09347     | 98.9     | 99.9 ± 0.5 µg/mL  |
| picoxystrobin   | 117428-22-5 | RM07493     | 99.9     | 99.9 ± 0.5 µg/mL  |
| pyraclostrobin  | 175013-18-0 | RM12781     | 99.5     | 99.5 ± 0.5 µg/mL  |
| tebufenozide    | 112410-23-8 | RM09292     | 99.6     | 99.6 ± 0.5 µg/mL  |
| trifloxystrobin | 141517-21-7 | RM14274     | 99.5     | 100.5 ± 0.5 µg/mL |
| thiacloprid     | 111988-49-9 | RM12140     | 99.5     | 100.5 ± 0.5 µg/mL |
| thiamethoxam    | 153719-23-4 | RM09064     | 96.3     | 100.2 ± 0.5 µg/mL |
| carbendazim     | 010605-21-7 | RM12190     | 99.5     | 100.5 ± 0.5 µg/mL |
| thiodicarb      | 059669-26-0 | RM13043     | 99.5     | 100.5 ± 0.5 µg/mL |
| diuron          | 000330-54-1 | RM14124     | 99.5     | 100.5 ± 0.5 µg/mL |
| fenpyroximate   | 134098-61-6 | RM12975     | 98.9     | 99.9 ± 0.5 µg/mL  |
| thiabendazole   | 000148-79-8 | RM09257     | 99.9     | 99.9 ± 0.5 µg/mL  |
| pyridate        | 055512-33-9 | RM03303     | 99.0     | 100.0 ± 0.5 µg/mL |

**Matrix:** acetonitrile / DMSO (90:10 v/v)

**Storage:** Store Frozen (-25° to -10°C).

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Monica Bourgeois  
QMS Representative