

Certificate of Analysis

Product Name: GC Pesticide Standard #12

Product Number: PSM-100-L

Lot Issue Date: 25-Feb-2021

Lot Number: 0006592663

Expiration Date: 31-Mar-2023

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
benefin	001861-40-1	RM00683	100.3 ± 0.5 µg/mL
biphenyl	000092-52-4	NT01492	100.2 ± 0.5 µg/mL
chlorbenside	000103-17-3	RM02772	100.2 ± 0.5 µg/mL
chlorfenprop-methyl	014437-17-3	RM02864	100.4 ± 0.5 µg/mL
chlormephos	024934-91-6	RM07475	100.4 ± 0.5 µg/mL
chloroneb	002675-77-6	RM00198	100.0 ± 0.5 µg/mL
chloropropylate	005836-10-2	RM09026	100.2 ± 0.5 µg/mL
etridiazole	002593-15-9	RM16064	100.3 ± 0.5 µg/mL
fluchloralin	033245-39-5	RM02974	100.1 ± 0.5 µg/mL
formothion	002540-82-1	RM14339	100.2 ± 0.5 µg/mL
iodofenphos	018181-70-9	RM14137	100.1 ± 0.5 µg/mL
leptophos	021609-90-5	RM03755	100.3 ± 0.5 µg/mL
perthane	000072-56-0	RM00603	100.3 ± 0.5 µg/mL
telodrin	000297-78-9	RM16677	100.1 ± 0.5 µg/mL
tetrasul	002227-13-6	RM14768	100.1 ± 0.5 µg/mL

Matrix: acetonitrile

Storage Conditions: Store Refrigerated (2° - 8°C).



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RM was produced in accordance with the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760

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No. AT-1937

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Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



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