

Certificate of Analysis

Product Name: GC Pesticide Standard #10

Product Number: PSM-100-J

Lot Issue Date: 09-Jun-2020

Lot Number: 0006538651

Expiration Date: 31-Jul-2022

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
4,4'-methoxychlor olefin	002132-70-9	RM06791	100.1 ± 0.5 µg/mL
binapacryl	000485-31-4	RM04151	100.4 ± 0.5 µg/mL
bioallethrin	028057-48-9	RM12213	100.1 ± 0.5 µg/mL
cis-1,2,3,6-tetrahydrophthalimide	001469-48-3	RM04075	100.3 ± 0.5 µg/mL
cymiazole	061676-87-7	RM14864	100.4 ± 0.5 µg/mL
dinitramine	029091-05-2	RM12273	100.2 ± 0.5 µg/mL
esbiothrin	084030-86-4	RM09890	100.0 ± 0.5 µg/mL
furathiocarb	065907-30-4	RM13653	100.5 ± 0.5 µg/mL
nitrofen	001836-75-5	NT01913	100.2 ± 0.5 µg/mL
profoxydim-lithium	281664-76-4	RM13991	100.0 ± 0.5 µg/mL
silaflofen	105024-66-6	RM04945	100.1 ± 0.5 µg/mL
vinclozolin	050471-44-8	RM15762	100.3 ± 0.5 µg/mL

Matrix: acetonitrile/acetone (3:2)

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

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.

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Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated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



ISO 17034 Cert No.
AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

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ISO 17025 Cert
No. AT-1937