

Certificate of Analysis

Product Name: Pesticides Standard no. 1

Product Number: PPM-527A-1

Lot Issue Date: 08-Mar-2021

Lot Number: 0006592839

Expiration Date: 30-Apr-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 $\pm$ Uncertainty
atrazine	001912-24-9	RM17497	501.9 $\pm$ 2.5 $\mu\text{g/mL}$
bifenthrin	082657-04-3	RM17285	501.7 $\pm$ 2.5 $\mu\text{g/mL}$
bromacil	000314-40-9	RM17291	501.1 $\pm$ 2.5 $\mu\text{g/mL}$
esbiol (S-bioallethrin)	028434-00-6	RM12026	501.2 $\pm$ 2.5 $\mu\text{g/mL}$
esfenvalerate (asana)	066230-04-4	RM07342	500.6 $\pm$ 2.5 $\mu\text{g/mL}$
fenvalerate	051630-58-1	RM07163	500.9 $\pm$ 2.5 $\mu\text{g/mL}$
hexazinone	051235-04-2	RM16808	501.1 $\pm$ 2.5 $\mu\text{g/mL}$
kepone	000143-50-0	RM03986	501.3 $\pm$ 2.5 $\mu\text{g/mL}$
mirex	002385-85-5	RM13840	502.1 $\pm$ 2.5 $\mu\text{g/mL}$
nitrofen	001836-75-5	RM13603	500.2 $\pm$ 2.5 $\mu\text{g/mL}$
norflurazon	027314-13-2	RM00675	500.4 $\pm$ 2.5 $\mu\text{g/mL}$
oxychlordane	027304-13-8	RM14555	501.5 $\pm$ 2.5 $\mu\text{g/mL}$
prometryn	007287-19-6	RM17267	501.3 $\pm$ 2.5 $\mu\text{g/mL}$
propazine	000139-40-2	RM14562	501.0 $\pm$ 2.5 $\mu\text{g/mL}$
thiobencarb	028249-77-6	RM16138	501.6 $\pm$ 2.5 $\mu\text{g/mL}$
vinclozolin	050471-44-8	RM04638	501.1 $\pm$ 2.5 $\mu\text{g/mL}$

Matrix: ethyl acetate

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Storage Conditions: Store at Room Temperature (15° to 30°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.

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 the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760

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www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937