

Reference Material Certificate
Product Information Sheet

Product Name: Pesticides Standard no. 1

Lot Number: 0006735960

Product Number: PPM-527A-1

Lot Issue Date: 22-Mar-2023

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

Expiration Date: 30-Apr-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
atrazine	501.9	±	2.5 µg/mL	001912-24-9	RM17497
bifenthrin	500.1	±	2.5 µg/mL	082657-04-3	RM19152
bromacil	501.7	±	2.5 µg/mL	000314-40-9	RM19730
esbiol (S-bioallethrin)	501.4	±	2.5 µg/mL	028434-00-6	RM02707
esfenvalerate (asana)	502.0	±	2.5 µg/mL	066230-04-4	RM07342
fenvalerate	501.3	±	2.5 µg/mL	051630-58-1	RM09132
hexazinone	501.7	±	2.5 µg/mL	051235-04-2	RM19532
kepone	500.1	±	2.5 µg/mL	000143-50-0	RM16486
mirex	501.9	±	2.5 µg/mL	002385-85-5	RM17745
nitrofen	500.5	±	2.5 µg/mL	001836-75-5	NT01913
norflurazon	501.2	±	2.5 µg/mL	027314-13-2	RM00675
oxychlordane	502.0	±	2.5 µg/mL	027304-13-8	RM20202
prometryn	500.3	±	2.5 µg/mL	007287-19-6	RM20649
propazine	501.0	±	2.5 µg/mL	000139-40-2	RM14562
thiobencarb	500.6	±	2.5 µg/mL	028249-77-6	RM18124
vinclozolin	500.1	±	2.5 µg/mL	050471-44-8	RM04638

Matrix: ethyl acetate

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material (RM) standard 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 above. Purity values are taken from approved vendor raw material certificates.

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 analytical reference (RM) standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

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Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated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

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference (RM) standard 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.

Expiration of Certification:

The certification of this analytical reference standard (RM) is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material 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