

Certificate of Analysis

Product Name: Pesticide Standard 6

Product Number: AGI-P03-6

Lot Issue Date: 17-May-2023

Lot Number: 0006742778

Expiration Date: 31-Dec-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
bromophos-ethyl	004824-78-6	RM19693	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
chlorfenvinphos	000470-90-6	RM17125	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
chlorpyrifos-methyl	005598-13-0	RM18118	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
dicrotophos	000141-66-2	RM21121	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
ethion	000563-12-2	RM19164	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
etrimfos	038260-54-7	RM13613	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
famphur	000052-85-7	RM19068	100.2 $\pm$ 0.5 $\mu\text{g/mL}$
fenitrothion	000122-14-5	RM19079	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
fenthion-sulfoxide	003761-41-9	RM14160	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
isazophos	042509-80-8	RM19675	100.0 $\pm$ 0.5 $\mu\text{g/mL}$
isocarbofos	024353-61-5	RM15033	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
malaoxon	001634-78-2	RM20288	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
malathion	000121-75-5	RM20816	100.4 $\pm$ 0.5 $\mu\text{g/mL}$
tokuthion	034643-46-4	RM20041	100.3 $\pm$ 0.5 $\mu\text{g/mL}$
pirimiphos-ethyl	023505-41-1	RM17771	100.1 $\pm$ 0.5 $\mu\text{g/mL}$
pyridaphenthion	000119-12-0	RM06253	100.1 $\pm$ 0.5 $\mu\text{g/mL}$

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fenchlorphos	000299-84-3	RM20420	100.4 ± 0.5 µg/mL
tetrachlorvinphos	022248-79-9	RM05693	100.3 ± 0.5 µg/mL
thionazin	000297-97-2	RM19262	100.0 ± 0.5 µg/mL
methidathion	000950-37-8	RM03745	100.2 ± 0.5 µg/mL
tolclofos-methyl	057018-04-9	RM15666	100.0 ± 0.5 µg/mL
diazinon	000333-41-5	RM20194	100.4 ± 0.5 µg/mL
pendimethalin	040487-42-1	RM20421	100.4 ± 0.5 µg/mL
trichloronate	000327-98-0	RM19267	100.2 ± 0.5 µg/mL
pronamide	023950-58-5	RM17904	100.2 ± 0.5 µg/mL
terbuthylazine	005915-41-3	RM19540	100.1 ± 0.5 µg/mL
acrinathrin	101007-06-1	RM13927	100.3 ± 0.5 µg/mL
methoprene	040596-69-8	RM19844	100.4 ± 0.5 µg/mL

Matrix: acetonitrile

Storage Conditions: Store Refrigerated (2° to 8°C)

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL 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. □



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

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ISO 17025 Cert
No. AT-1937

Certificate of Analysis

Product Number: AGI-P03-6

Lot Number: 0006742778

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

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ISO 17025 Cert
No. AT-1937