

Certificate of Analysis

Product Name: GC Pesticide Standard no. 2

Product Number: PSM-105-B

Lot Issue Date: 14-Jul-2020

Lot Number: 0006544757

Expiration Date: 31-Aug-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 $\pm$ Uncertainty
aldrin	000309-00-2	RM00635	50.0 $\pm$ 0.3 μ g/mL
bifenoX	042576-02-3	RM02688	50.1 $\pm$ 0.3 μ g/mL
bromopropylate	018181-80-1	RM10418	50.0 $\pm$ 0.3 μ g/mL
carbophenothion	000786-19-6	RM13292	50.1 $\pm$ 0.3 μ g/mL
chinomethionate	002439-01-2	RM02729	50.0 $\pm$ 0.3 μ g/mL
chlorfenvinphos	000470-90-6	RM09164	50.0 $\pm$ 0.3 μ g/mL
chlorobenzilate	000510-15-6	RM16125	50.0 $\pm$ 0.3 μ g/mL
chlorothalonil	001897-45-6	RM15959	50.1 $\pm$ 0.3 μ g/mL
chlorpropham	000101-21-3	RM02736	50.0 $\pm$ 0.3 μ g/mL
chlorpyrifos-methyl	005598-13-0	RM16080	50.1 $\pm$ 0.3 μ g/mL
cypermethrin	052315-07-8	RM16088	50.1 $\pm$ 0.3 μ g/mL
dichloran	000099-30-9	RM00430	50.1 $\pm$ 0.3 μ g/mL
diclofop methyl	051338-27-3	RM09308	50.1 $\pm$ 0.3 μ g/mL
dicofol	000115-32-2	RM14743	50.1 $\pm$ 0.3 μ g/mL
dieldrin	000060-57-1	RM16038	50.1 $\pm$ 0.3 μ g/mL
diphenylamine	000122-39-4	RM12958	50.1 $\pm$ 0.3 μ g/mL
ethion	000563-12-2	RM16328	50.0 $\pm$ 0.3 μ g/mL

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etridiazole	002593-15-9	RM15421	50.1 ± 0.3 µg/mL
fenitrothion	000122-14-5	RM09238	50.0 ± 0.3 µg/mL
heptachlor	000076-44-8	RM03111	50.1 ± 0.3 µg/mL
iprodione	036734-19-7	RM16337	50.1 ± 0.3 µg/mL
isofenphos	025311-71-1	RM16329	50.0 ± 0.3 µg/mL
mecarbam	002595-54-2	RM15020	50.0 ± 0.3 µg/mL
methoxychlor	000072-43-5	RM14186	50.0 ± 0.3 µg/mL
oxyfluorfen	042874-03-3	RM03175	50.0 ± 0.3 µg/mL
pentachloronitrobenzene	000082-68-8	RM12207	50.0 ± 0.3 µg/mL
pirimiphos-ethyl	023505-41-1	RM14614	49.9 ± 0.2 µg/mL
procymidone	032809-16-8	RM12692	50.1 ± 0.3 µg/mL
tefluthrin	079538-32-2	RM04904	50.1 ± 0.3 µg/mL
terbufos	013071-79-9	RM09251	50.0 ± 0.3 µg/mL
tokuthion	034643-46-4	RM15364	50.0 ± 0.3 µg/mL
triadimenol	055219-65-3	RM03453	50.0 ± 0.3 µg/mL
trifluralin	001582-09-8	RM11889	50.0 ± 0.3 µg/mL
vinclozolin	050471-44-8	RM04638	50.1 ± 0.3 µg/mL
zoxamide	156052-68-5	RM06946	50.1 ± 0.3 µg/mL

Matrix: acetone

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/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.


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

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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

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ISO 17025 Cert
No. AT-1937