

Certificate of Analysis

Product Name: GC Pesticide Standard #11

Product Number: PSM-100-K

Lot Issue Date: 20-May-2020

Lot Number: 0006538652

Expiration Date: 30-Jun-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
4,4'-dibromobenzophenone	003988-03-2	RM01486	100.3 $\pm$ 0.5 μ g/mL
anthraquinone	000084-65-1	RM02662	100.2 $\pm$ 0.5 μ g/mL
bromocyclen	001715-40-8	RM13289	100.2 $\pm$ 0.5 μ g/mL
bromopropylate	018181-80-1	RM11212	100.0 $\pm$ 0.5 μ g/mL
captafol	002425-06-1	RM02699	100.5 $\pm$ 0.5 μ g/mL
chlorfenapyr	122453-73-0	RM15241	100.0 $\pm$ 0.5 μ g/mL
cis-chlordane	005103-71-9	RM07243	100.0 $\pm$ 0.5 μ g/mL
dicofol	000115-32-2	RM14743	100.1 $\pm$ 0.5 μ g/mL
dinobuton	000973-21-7	RM11124	100.2 $\pm$ 0.5 μ g/mL
DMSA	004710-17-2	RM02933	100.0 $\pm$ 0.5 μ g/mL
endosulfan sulfate	001031-07-8	RM15389	100.1 $\pm$ 0.5 μ g/mL
endrin	000072-20-8	RM14459	100.0 $\pm$ 0.5 μ g/mL
endrin ketone	053494-70-5	RM13443	100.0 $\pm$ 0.5 μ g/mL
flubenzimine	037893-02-0	RM12363	100.0 $\pm$ 0.5 μ g/mL
flucythrinate	070124-77-5	RM16254	100.0 $\pm$ 0.5 μ g/mL
heptachlor epoxide - isomer A	028044-83-9	RM14065	100.3 $\pm$ 0.5 μ g/mL
isoxathion	018854-01-8	RM14620	100.1 $\pm$ 0.5 μ g/mL

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methyl parathion	000298-00-0	RM16386	100.2 ± 0.5 µg/mL
nitralin	004726-14-1	RM03188	100.1 ± 0.5 µg/mL
nitrapyrin	001929-82-4	RM03190	100.2 ± 0.5 µg/mL
nitrothal-isopropyl	010552-74-6	RM11909	100.4 ± 0.5 µg/mL
oxyfluorfen	042874-03-3	RM14698	100.0 ± 0.5 µg/mL
parathion (ethyl)	000056-38-2	RM16023	100.2 ± 0.5 µg/mL
pentachloronitrobenzene	000082-68-8	RM12207	100.0 ± 0.5 µg/mL
transfluthrine	118712-89-3	RM12036	100.1 ± 0.5 µg/mL
trifluralin	001582-09-8	RM09256	100.0 ± 0.5 µg/mL

Matrix: acetonitrile**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.

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.

ISO 17034 Cert No.
AR-1936RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality
Management System. Cert # 56 100 18560026

Page: 2 of 3

www.agilent.com/quality/ISO 17025 Cert
No. AT-1937

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Product Number: PSM-100-K

Lot Number: 0006538652

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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Page: 3 of 3

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