Agilent

Certificate of Analysis

Product Name: Custom Standard

Product Number: CUS-13379 **Lot Issue Date:** 11-Dec-2019

Lot Number: 0006507185 **Expiration Date:** 31-Jan-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 ± Uncertainty
acenaphthene	000083-32-9	RM10879	10.0 ± 0.1 µg/mL
acenaphthylene	000208-96-8	RM10891	10.0 ± 0.1 µg/mL
anthracene	000120-12-7	RM03477	10.0 ± 0.1 µg/mL
benz[a]anthracene	000056-55-3	RM14887	10.0 ± 0.1 µg/mL
benzo[b]fluoranthene	000205-99-2	RM14571	10.0 ± 0.1 µg/mL
benzo[k]fluoranthene	000207-08-9	RM14321	10.0 ± 0.1 µg/mL
benzo[ghi]perylene	000191-24-2	RM15043	10.0 ± 0.1 µg/mL
benzo[a]pyrene	000050-32-8	RM14368	10.0 ± 0.1 µg/mL
chrysene	000218-01-9	RM12260	10.0 ± 0.1 µg/mL
dibenz[a,h]anthracene	000053-70-3	RM06786	10.0 ± 0.1 µg/mL
fluoranthene	000206-44-0	RM12277	10.0 ± 0.1 µg/mL
fluorene	000086-73-7	RM09441	10.0 ± 0.1 µg/mL
indeno[1,2,3-cd]pyrene	000193-39-5	RM14192	10.0 ± 0.1 µg/mL
naphthalene	000091-20-3	NT00970	10.0 ± 0.1 µg/mL
phenanthrene	000085-01-8	RM10495	10.0 ± 0.1 µg/mL
pyrene	000129-00-0	RM03479	10.0 ± 0.1 µg/mL
benzo[j]fluoranthene	000205-82-3	RM12771	10.0 ± 0.1 µg/mL

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ISO 17034
REFERENCE MATERIAL PRODUCER

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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
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Certificate of Analysis

Product Number: CUS-13379   **Lot Number:** 0006507185

cyclopenta[c,d]pyrene	027208-37-3	RM13983	10.0 ± 0.1 µg/mL
dibenzo[a,e]pyrene	000192-65-4	RM15708	10.0 ± 0.1 µg/mL
dibenzo[a,h]pyrene	000189-64-0	RM12536	10.0 ± 0.1 µg/mL
dibenzo[a,i]pyrene	000189-55-9	RM11376	10.0 ± 0.1 µg/mL
dibenzo[a,l]pyrene	000191-30-0	RM03492	10.0 ± 0.1 µg/mL
1-methylpyrene	002381-21-7	RM10060	10.0 ± 0.1 µg/mL
benzo[e]pyrene	000192-97-2	RM14141	10.0 ± 0.1 µg/mL

Matrix: acetone/cyclohexane

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 20ºC to 25ºC 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

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