

Certificate of Analysis

ISO Guide 34

Semi-Volatiles Standard

Product Number: SVM-8271-1

Page: 1 of 2

Lot Number: 0006460719

Lot Issue Date: 19-Apr-2019

Expiration Date: 31-Aug-2019

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

| Analyte | CAS# | Analyte Lot | True Value |
|--------------------------------|-------------|-------------|----------------|
| acetophenone | 000098-86-2 | RM04281 | 1002 ± 5 µg/mL |
| 2-acetylaminofluorene | 000053-96-3 | RM03649 | 1002 ± 5 µg/mL |
| 4-aminobiphenyl | 000092-67-1 | RM10914 | 1000 ± 5 µg/mL |
| aniline | 000062-53-3 | RM12853 | 1003 ± 5 µg/mL |
| benzyl alcohol | 000100-51-6 | RM10547 | 1002 ± 5 µg/mL |
| 2,6-dichlorophenol | 000087-65-0 | RM02083 | 1001 ± 5 µg/mL |
| p-(dimethylamino)azobenzene | 000060-11-7 | RM02081 | 1001 ± 5 µg/mL |
| 7,12-dimethylbenz[a]anthracene | 000057-97-6 | RM14230 | 1001 ± 5 µg/mL |
| m-dinitrobenzene | 000099-65-0 | RM14290 | 1001 ± 5 µg/mL |
| dinoseb | 000088-85-7 | RM14351 | 1002 ± 5 µg/mL |
| diphenylamine | 000122-39-4 | NT00707 | 1001 ± 5 µg/mL |
| ethyl methanesulfonate | 000062-50-0 | RM03827 | 1002 ± 5 µg/mL |
| hexachloropropene | 001888-71-7 | RM02248 | 1003 ± 5 µg/mL |
| isosafole | 000120-58-1 | RM02268 | 1001 ± 5 µg/mL |
| 3-methylcholanthrene | 000056-49-5 | RM13766 | 1000 ± 5 µg/mL |
| methyl methanesulfonate | 000066-27-3 | RM11744 | 1002 ± 5 µg/mL |
| m-cresol | 000108-39-4 | RM12936 | 1002 ± 5 µg/mL |
| 1-naphthylamine | 000134-32-7 | RM02814 | 1001 ± 5 µg/mL |
| 2-naphthylamine | 000091-59-8 | RM10617 | 1002 ± 5 µg/mL |
| N-nitrosodi-n-butylamine | 000924-16-3 | RM02403 | 1001 ± 5 µg/mL |
| N-nitrosodiethylamine | 000055-18-5 | RM00515 | 1002 ± 5 µg/mL |

Certificate of Analysis

ISO Guide 34

Semi-Volatiles Standard

Product Number: SVM-8271-1**Page:** 2 of 2**Lot Number:** 0006460719**Lot Issue Date:** 19-Apr-2019**Expiration Date:** 31-Aug-2019

| Analyte | CAS# | Analyte Lot | True Value |
|----------------------------|-------------|-------------|----------------|
| N-nitrosomethylethylamine | 010595-95-6 | RM13810 | 1000 ± 5 µg/mL |
| N-nitrosomorpholine | 000059-89-2 | RM10432 | 1003 ± 5 µg/mL |
| N-nitrosopiperidine | 000100-75-4 | RM13809 | 1003 ± 5 µg/mL |
| N-nitrosopyrrolidine | 000930-55-2 | RM11111 | 1002 ± 5 µg/mL |
| 5-nitro-o-toluidine | 000099-55-8 | RM02392 | 1001 ± 5 µg/mL |
| pentachlorobenzene | 000608-93-5 | RM03776 | 1002 ± 5 µg/mL |
| pentachloroethane | 000076-01-7 | RM12084 | 1001 ± 5 µg/mL |
| pentachloronitrobenzene | 000082-68-8 | RM12207 | 1002 ± 5 µg/mL |
| phenacetin | 000062-44-2 | RM02471 | 1002 ± 5 µg/mL |
| safrole | 000094-59-7 | RM00919 | 1001 ± 5 µg/mL |
| 1,2,4,5-tetrachlorobenzene | 000095-94-3 | RM11051 | 1000 ± 5 µg/mL |
| 2,3,4,6-tetrachlorophenol | 000058-90-2 | RM14320 | 1000 ± 5 µg/mL |
| o-toluidine | 000095-53-4 | RM03878 | 1000 ± 5 µg/mL |
| 1,3,5-trinitrobenzene | 000099-35-4 | | 1000 ± 5 µg/mL |

Matrix: methylene chloride (purified)**Storage:** Store at Room Temperature (15° to 30°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.


Monica Bourgeois
QMS RepresentativeISO Guide 34 Cert No.
AR-1936Produced in accordance with TUV USA Inc 56 100 18560026
registered ISO 9001 Quality Management SystemISO17025 Cert No.
AT-1937