

Date Received: \_\_\_\_\_

## Certificate of Analysis

Rev 0

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**Catalog No.:** 116663-03    **Lot No.:** 342298    **Storage:** ≤ -10 °C    **Solvent:** Toluene    **Exp. Date:** 1-May-2020    **Description:** Custom Deuterated PAH Mix, 7-3, 100 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
acenaphthene-d <sub>10</sub>	15067-26-2	99	1.12.3.3P	100 ± 1.62 mg/L
benzo[a]anthracene-d <sub>12</sub>	1718-53-2	99.9	1270.12.2P	100.9 ± 1.45 mg/L
benzo(a)pyrene-d <sub>12</sub>	63466-71-7	99	1973.120.4P	99.79 ± 1.49 mg/L
dibenzo(a,h)anthracene-d <sub>14</sub>	13250-98-1	99	1974.12.4P	99 ± 1.43 mg/L
dibenzo(a,i)pyrene-d <sub>14</sub>	158776-07-9	99	2028.120.8.3P	99.99 ± 1.05 mg/L
fluoranthene-d <sub>10</sub>	93951-69-0	98.9	1458.12.2P	100.9 ± 1.44 mg/L
phenanthrene-d <sub>10</sub>	1517-22-2	99.3	6.12.5P	99.8 ± 2.07 mg/L

*Amanda Frazier*

Certified By: \_\_\_\_\_

Amanda Frazier

Manufacture Date 2-May-2018

Follow all storage requirements, keep tightly closed when not in use, and use good laboratory practices when handling. This Reference Material was manufactured, produced, and/or certified under a quality management system that is accredited to ISO 17034 and ISO/IEC 17025.

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.

The stated uncertainty is the expanded uncertainty with a coverage factor of two to give a 95% confidence level.