

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

**Certificate of Analysis** Rev 0 Page 1

Catalog No.: Lot No.: Storage: Solvent: Exp. Date: Description:  
116800-03 256313 ≤ 6 °C Methanol 22-Jul-2017 Custom PAH-Mix 9 Deuterated, 16-1, 10 mg/L, 10 x 1  
-10PAK ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration
chrysene-d12	1719-03-5	99.7	2.12.4.1P	9.97 +/- .14 mg/L
naphthalenc-d8	1146-65-2	99.9	4.12.4.1P	9.958 +/- .19 mg/L
phenanthrenc-d10	1517-22-2	98	6.12.3.2P	9.976 +/- .14 mg/L
acenaphthene-d10	15067-26-2	98.1	1.12.2.3P	9.997 +/- .17 mg/L
acenaphthylenc-d8	93951-97-4	100	1975.12.3P	9.96 +/- .14 mg/L
anthracene-d10	1719-06-8	98.5	1271.12.2P	10.05 +/- .17 mg/L
benzo(b)fluoranthene-d12	93951-98-5	99.9	1785.12.4P	10 +/- .17 mg/L
benzo(g,h,i)perylenc-d12	93951-66-7	98.1	1784.12.2.3P	9.908 +/- .24 mg/L
benzo(k)fluoranthene-d12	93952-01-3	99	1786.12.2P	9.88 +/- .17 mg/L
benzo[a]anthracene-d12	1718-53-2	98	1270.1.1P	10.09 +/- .17 mg/L
benzo(a)pyrene-d12	63466-71-7	98.3	1973.12.3.3P	9.948 +/- .14 mg/L
dibenzo(a,h)anthracene-d14	13250-98-1	97.6	1974.12.2P	10.05 +/- .17 mg/L
fluoranthene-d10	93951-69-0	98.9	1458.120.1P	10.05 +/- .15 mg/L
fluorene-d10	81103-79-9	98.6	2550.12.1P	9.939 +/- .17 mg/L
indeno(1,2,3-cd)pyrene-d12	203578-33-0	99.8	1787.120.2.1P	10.06 +/- .24 mg/L
pyrene-d10	1718-52-1	98	1276.12.1P	9.957 +/- .11 mg/L

Certified By: Nicholas Collins  
Nicholas Collins

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.