

Date Received: _____

Certificate of Analysis

Rev 0

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Catalog No.: 113431-03 **Lot No.:** 205031 **Storage:** ≤ -10 Degrees C **Solvent:** Methylene Chloride **Exp. Date:** 14-Mar-2015 **Description:** Custom PAH Mix, 22-43, 100 mg/L, 5 ml

Compound	CAS No.	Purity (%)	Neat Material Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99	13.1.4P	98.88 +/- 1.36
acenaphthylene	208-96-8	98	14.282.2P	97.85 +/- 1.34
benzo[b]fluoranthene	205-99-2	99	17.4.5.4P	98.96 +/- 1.36
benzo[k]fluoranthene	207-08-9	99.96	18.4.3.4P	99.84 +/- 1.37
benzo[ghi]perylene	191-24-2	99	19.4.4.4P	100.2 +/- 1.37
chrysene	218-01-9	99	21.4.3P	99.58 +/- 1.37
fluoranthene	206-44-0	98	23.7.1P	98.81 +/- 1.35
fluorene	86-73-7	99	24.1.4P	102.5 +/- 1.41
naphthalene	91-20-3	99	26.29.1P	98.18 +/- 1.35
phenanthrene	85-01-8	98	27.1.3P	99.31 +/- 1.61
1-benzothiophene	95-15-8	98	3028.1.1P	99.88 +/- 1.04
anthracene	120-12-7	99	15.29.2P	100 +/- 1.37
benzo[a]anthracene	56-55-3	99	16.4.4.2P	98.15 +/- 1.35
benzo[a]pyrene	50-32-8	99	20.282.2P	98.57 +/- 1.35
benzo[e]pyrene	192-97-2	99.6	619.282.2P	100.4 +/- 1.3
dibenz[a,h]anthracene	53-70-3	99	22.4.5.3P	99.5 +/- 1.36
dibenzo(a,h)pyrene	189-64-0	98	1517.7.2P	102.7 +/- 1
dibenzo(a,i)pyrene	189-55-9	99	1478.282.1P	98.21 +/- .99
dibenzo(a,l)pyrene	191-30-0	99.4	1516.4.2.5P	101 +/- .92
dibenzo(a,e)pyrene	192-65-4	99.6	930.4.3P	100.1 +/- 1.15
indeno[1,2,3-cd]pyrene	193-39-5	99	25.4.5.4P	99.16 +/- 1.36
pyrene	129-00-0	99	28.29.1P	98.57 +/- 1.35

Certified By: Michael Bechtold
Michael Bechtold

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.