

Certificate of Analysis

Reference Material & Standard

Product Name:	PAH Mix 18	Catalogue Number:	MPAH111518-DI
Appearance:	Colourless Liquid	Lot Number:	0429-RH-0083
Solvent:	Dichloromethane	Storage:	-20°C±5°C Protected from light and Sealed
Expiry Date:	Oct 10, 2029	Shipping Condition:	Shipping with Ice Packs
Chemical Structure:	N/A		

NO.	Component	CAS No.	Certified Concentration Value (µg/mL)	Uncertainty (µg/mL)
1	Phenanthrene	85-01-8	1020	31
2	Pyrene	129-00-0	1001	31
3	Benzo(A)Pyrene	50-32-8	1001	31
4	Indeno(1,2,3-C,D)Pyrene	193-39-5	1000	31
5	Benzo[e]pyrene	192-97-2	1000	31
6	Fluorene	86-73-7	1001	31
7	Benz[a]anthracene	56-55-3	1001	31
8	Fluoranthene	206-44-0	1000	31
9	Dibenz[a,h]anthracene	53-70-3	1000	30
10	Benzo(G,H,I)Perylene	191-24-2	1001	31
11	Benzo[b]fluoranthene	205-99-2	1001	31
12	Anthracene	120-12-7	1002	31
13	Benzo[k]fluoranthene	207-08-9	1000	31
14	Benzo[j]fluoranthene	205-82-3	1000	31
15	Naphthalene	91-20-3	1001	31
16	Acenaphthylene	208-96-8	1000	31
17	Chrysene	218-01-9	1001	31
18	Acenaphthene	83-32-9	1001	31

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

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Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Apr 30, 2026

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