

Certificate of Analysis

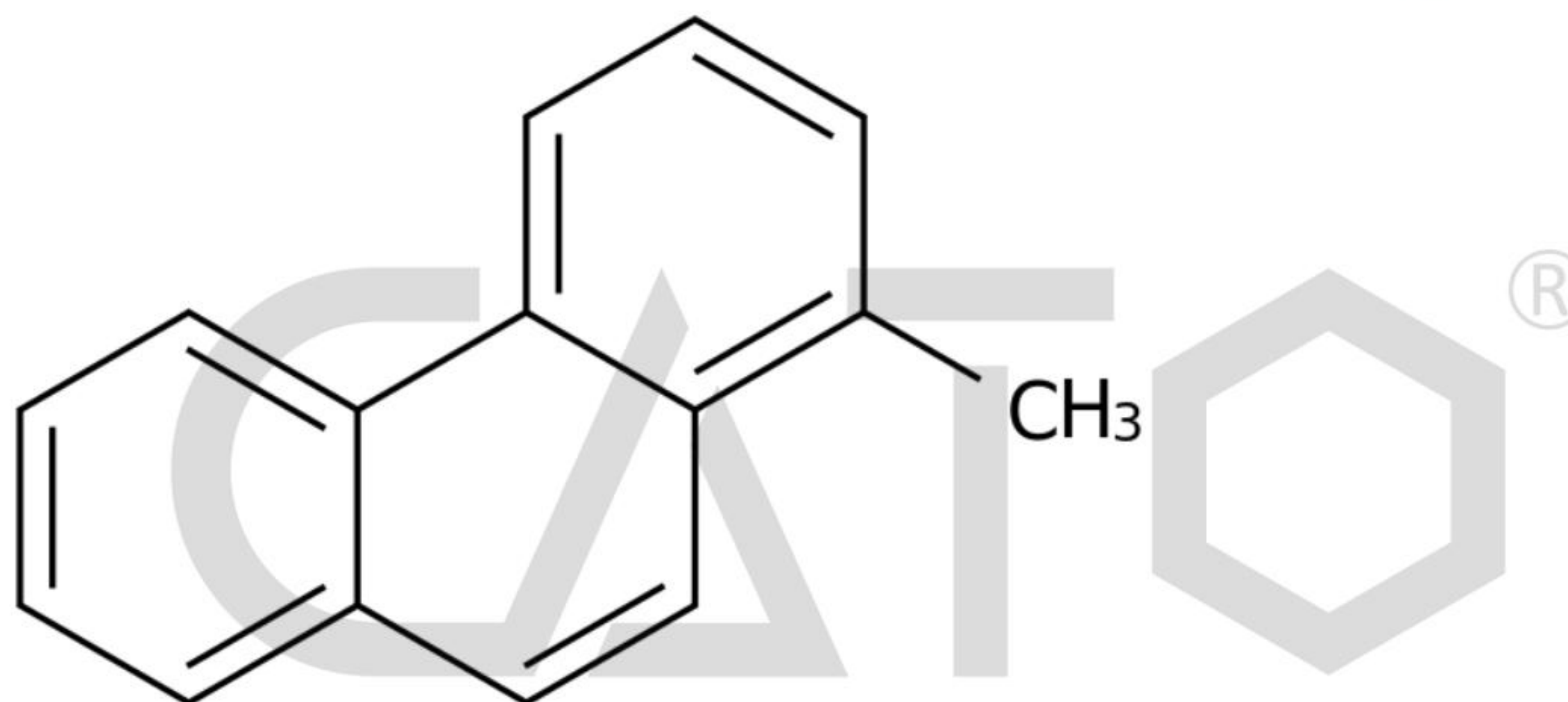
Reference Material & Standard

Product Name:	1-Methylphenanthrene	Catalogue Number:	CCEM500915
Synonyms:	N/A	Lot Number:	0527-RD-0071
CAS Number:	832-69-9	Expiry Date:	Feb 04, 2025
Molecular Formula:	C ₁₅ H ₁₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	192.26	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Purity	UPLC	100.0%
Water Content	Karl Fischer	0.1000%
Assay		99.9%
Uncertainty		±2.0%

Comment:

- No chromatogram available.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity UPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, UPLC purity is considered as relative effect.
- 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:

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Approved by General Manager:

David



Date: Feb 04, 2019

Date: May 30, 2022

Date: May 30, 2022

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