CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

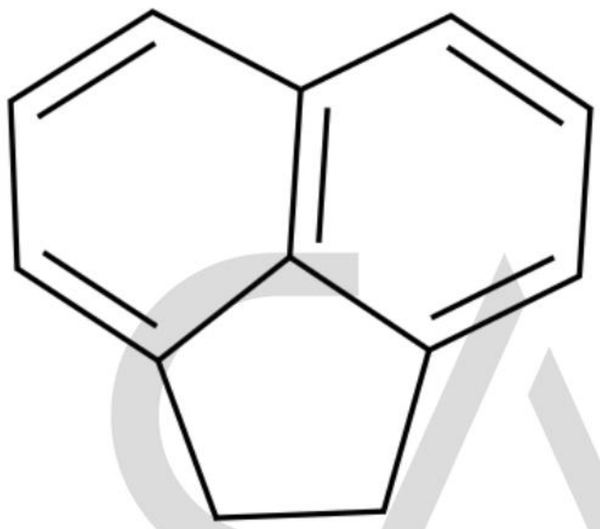
No.: 202403070034

Certificate of Analysis

Reference Material & Standard

Product Name:	Acenaphthene	**Catalogue Number:**	CPAH111509
Synonyms:	N/A	**Lot Number:**	1-F-349
CAS Number:	83-32-9	**Expiry Date:**	Mar 12, 2028
Molecular Formula:	C12H10	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	154.21	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	0.13%
Assay		99.9%
Uncertainty		±2.0%

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Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content) * Purity GC (%) /100%*
Water Content is considered as absolute effect, GC purity is considered as relative effect.
2. 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:

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Aporoved by General Manager: David Date: Mar 13, 2024

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