

Certificate of Analysis

Reference Material & Standard

Product Name:	Anthracene	Catalogue Number:	CPAH111511
Synonyms:	N/A	Lot Number:	1-F-3A4
CAS Number:	120-12-7	Expiry Date:	Oct 20, 2028
Molecular Formula:	C ₁₄ H ₁₀	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	178.23	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Green Solid
Identification	GCMS&IR&UV&HNMR	Confirmed
Purity	GC	98.948%
Loss on Drying	TGA	0.0686%
Assay		98.9%
Uncertainty		±0.7%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity GC (\%)} / 100\%$$

Loss on Drying 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:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 27, 2026

Date: Jul 28, 2026

Date: Jul 28, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

