



CERTIFICATE OF ANALYSIS

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1. Identification

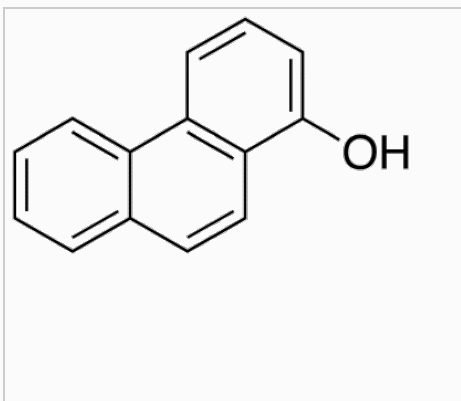
Catalogue Number: P295000

CAS Number: 2433-56-9

Product: 1-Phenanthrol

Synonym: 1-Phenanthrenol; 1-Hydroxyphenanthrene; NSC 44471;

Structure:



Molecular Formula:

C₁₄H₁₀O

Molecular weight:

194.23

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), Ethanol (Slightly), Ethyl Acetate (Slightly), Methanol (S)

Lot Number: 3-GRS-150-2

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Beige to Light Brown Solid	Pale Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 85.71, %H: 5.16
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.61%

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 2 : 1; Visualized with UV and AMCS; Single Spot, R_f = 0.70. Elemental Analysis: (Theoretical) %C: 86.57, %H: 5.19

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Eric Beaton	My Nguyen	9/17/2019	9/15/2029