



CERTIFICATE OF ANALYSIS

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1. Identification

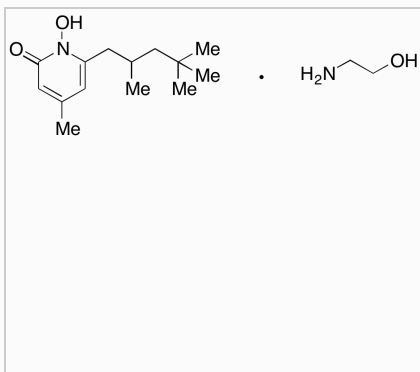
Catalogue Number: P509400

CAS Number: 68890-66-4

Product: Piroctone Olamine

Synonym: 2-Aminoethanol, compd. with 1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2(1H)-pyridinone; 1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2-pyridone monoethanolamine Salt; Octopirox; Octopyrox; Piroctone Ethanolamine Salt;

Structure:



Molecular Formula:

$C_{14}H_{23}NO_2 + C_2H_7NO$

Molecular weight:

237.34 + 61.08

Source of Product:

N/A

Solubility:

Chloroform (Slightly, Sonicated), Methanol (Slightly)

Lot Number: 1-YJK-122-1

Purity: 98%

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	White to Off-White Solid	White to Off-White Solid
Specific Rotation	Report Result	-0.1° (c = 0.9, Chloroform)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 64.45, %H: 9.75, %N: 9.30
HPLC Purity	Report Result	100.00% (305 nm)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 9 : 1: 0.1; Visualized with UV, KMnO₄, and Ninhydrin; R_f = 0.50. Elemental Analysis: (Theoretical) %C: 64.40, %H: 10.13, %N: 9.39

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
Steve Douglas	Neha Khanna	My Nguyen	12/13/2019	12/11/2026
				