



CERTIFICATE OF ANALYSIS

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1. Identification

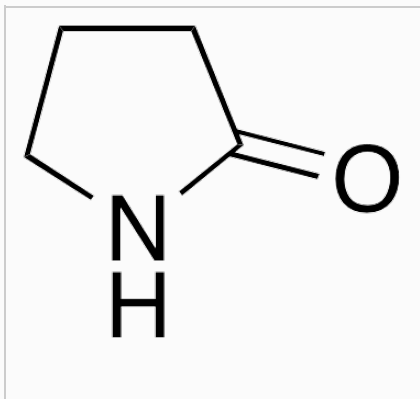
Catalogue Number: P998990

CAS Number: 616-45-5

Product: 2-Pyrrolidinone

Synonym: 2-Pyrrolidone; Butyrolactam; 2-Oxo-4-butyrolactam; 2-Oxopyrrolidine; 2-Pyrol; 2-Tetrahydropyrrolone; 4-Aminobutyric acid lactam; Azacyclopentan-2-one; Butanoic acid, 4-amino-, lactam; Butyrolactam; Kollisolv PYR; NSC 4593; NSC 8413; Pyrrolidone; Soluphor P; α -Pyrrolidinone; α -Pyrrolidone; γ -Aminobutyric acid lactam; γ -Aminobutyric lactam; γ -Aminobutyrolactam; γ -Butyrolactam

Structure:



Molecular Formula:

C₄H₇NO

Molecular weight:

85.11

Source of Product:

N/A

Solubility:

Chloroform (Sparingly),
DMSO (Slightly), Methanol
(Sparingly)

Lot Number: 20-SBL-143-1

Purity: 97%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 56.13, %H: 8.76, %N: 16.28
Appearance	Colourless to Off-White Oil to Low-Melting Solid	Colourless to Off-White Oil to Low-Melting Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
GC	Report Result	97.43%
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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	Toni Rantanen	Chanell Chu	1/25/2022	1/23/2026
				