



CERTIFICATE OF ANALYSIS

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1. Identification

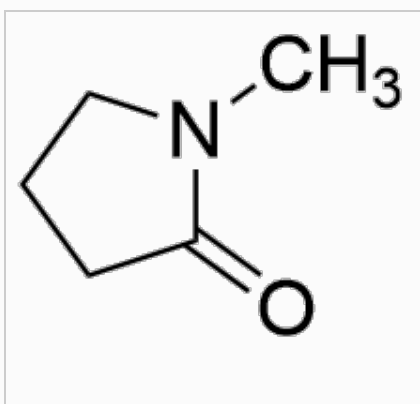
Catalogue Number: M326120

CAS Number: 872-50-4

Product: 1-Methyl-2-pyrrolidinone

Synonym: 1-Methyl-5-pyrrolidinone; 1-Methylazacyclopentan-2-one; 1-Methylpyrrolidone; AgsolEx 1; M-Pyrol; Microposit 2001; N 0131; N-Methyl-2-ketopyrrolidine; N-Methyl-γ-butyrolactam; N-Methylbutyrolactam; N-Methylpyrrolidone; NMP; NSC 4594; Pharmasolve; Pyrol M; SL 1332; N-methyl-2-pyrrolidone

Structure:



Molecular Formula:

C₅H₉NO

Molecular weight:

99.13

Source of Product:

N/A

Solubility:

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

Lot Number: 15-GHZ-126-1

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	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 58.76, %H: 8.94, %N: 13.08
Water Content	Report Result	1.8% by Karl Fischer
HPLC Purity	Report Result	99.50% (215 nm)

Additional Information: Elemental Analysis: (Theoretical) %C: 60.58, %H: 9.15, %N: 14.13

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	Toni Rantanen	My Nguyen	7/14/2020	7/12/2027
