



1. Identification

Catalogue Number

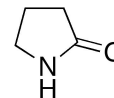
P998990

Lot Number

711913446-1-1

Product Name

2-Pyrrolidinone

StructureSynonyms

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; Sulphor P; α -Pyrrolidinone; α -Pyrrolidone; γ -Aminobutyric acid lactam; γ -Aminobutyric lactam; γ -Aminobutyrolactam; γ -Butyrolactam

CAS Number

616-45-5

Solubility

Chloroform (Slightly), Methanol
(Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula C_4H_7NO Source of Product

N/A

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

85.11

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Off-White Oil to Low-Melting Solid

Results

Colourless to Off-White Oil to Low-Melting Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 56.77, %H: 8.51, %N: 16.69

GC Purity

>95%

99.82%

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

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

11/30/2023

Retest Date

11/28/2027