Scapex Exports Pvt. Ltd.
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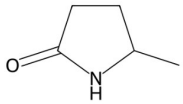
CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS Standard product specification

5-Methyl-2-Pyrrolidinone

CAS 108-27-0 · C5H9NO · 98% min.



STRUCTURAL FORMULA

1. PRODUCT IDENTITY

Product name	5-Methyl-2-Pyrrolidinone
C.A.S. number	108-27-0
Molecular formula	C5H9NO
Molecular weight	99.13 g/mol
Grade / standard	98% min.
Description	Appearance as per specification
Product group	Research Chemicals
Category	Fine & Research Chemicals
Country of origin	India
Packing	Bags, drums, carboys, IBC or ISO tank as applicable — customer-specified packing available
Storage	Cool, dry, well-ventilated place in tightly closed original packing

2. ANALYTICAL SPECIFICATION

S. NO.	TEST PARAMETER	SPECIFICATION	TYPICAL RESULT	METHOD
1	Description	Appearance as per specification	Complies	Visual
2	Identification	Conforms to the structure of the substance	Complies	FTIR / Chemical test
3	Solubility	As per specification	Complies	Visual / Monograph
4	Assay	Not less than 98.0 % w/w	98.82	Titrimetry / Instrumental
5	Loss on Drying	Not more than 1.0 % w/w	0.13	Gravimetry

6	Residue on Ignition	Not more than 0.5 % w/w	0.216	Gravimetry
7	Heavy Metals (as Pb)	Not more than 20 ppm	Less than 10 ppm	ICP-OES

3. DECLARATION

This document sets out the standard specification for 5-Methyl-2-Pyrrolidinone and applies to all consignments of this product and grade supplied by Scapex Exports Pvt. Ltd. It is not a lot-specific release document; a lot-specific certificate carrying the analysis of the material actually shipped is issued with, and travels with, each consignment. Scapex Exports supplies against customer-specified assay limits and pharmacopoeial standards — send your specification sheet and we confirm compliance in writing before the order is accepted.

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