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CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS

Standard product specification

3,5-Dimethyl-4-Nitropyridine 1-Oxide

Formulated product · ≥98%

1. PRODUCT IDENTITY

Product name	3,5-Dimethyl-4-Nitropyridine 1-Oxide
C.A.S. number	Applicable to blend — on request
Grade / standard	≥98%
Description	Pale yellow crystalline powder
Product group	Pyridine Intermediates
Category	Pharmaceutical Intermediates
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	Pale yellow crystalline powder	Complies	Visual
2	Solubility	As per specification	Complies	Visual / Monograph
3	Assay	Not less than 98.0 % w/w	98.74	Titrimetry / Instrumental
4	Clarity & Colour of Solution	Clear; not more intensely coloured than reference	Complies	Visual (Monograph)
5	pH (1 % w/v aqueous solution)	As per monograph	5.6	Potentiometry
6	Water Content (Karl Fischer)	Not more than 0.5 % w/w	0.22	Karl Fischer titration

7	Melting Range / Point	As per monograph	Complies	Capillary method
8	Particle Size (d90)	As per specification	169 µm	Laser diffraction

3. DECLARATION

This document sets out the standard specification for 3,5-Dimethyl-4-Nitropyridine 1-Oxide 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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