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CIN U46909GJ2025PTC164345

CERTIFICATE OF ANALYSIS

Standard product specification

Pyridine-Sulfur Trioxide Complex

CAS 26412-87-3 · ≥98% Technical

1. PRODUCT IDENTITY

Product name	Pyridine-Sulfur Trioxide Complex
C.A.S. number	26412-87-3
Grade / standard	≥98% Technical
Description	White to light yellow powder
Product group	Sulfonating Agents
Category	Laboratory & Analytical Reagents
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	White to light yellow powder	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	98.37	Titrimetry / Instrumental
5	Matter Insoluble in Water	Not more than 0.01 % w/w	0.0015	Gravimetry
6	pH (5 % aqueous solution)	As per specification	9.3	Potentiometry

7	Chloride (Cl)	Not more than 0.001 %	0.00026	Turbidimetry
8	Sulphate (SO4)	Not more than 0.002 %	0.00074	Turbidimetry
9	Iron (Fe)	Not more than 5 ppm	1.22 ppm	ICP-OES
10	Heavy Metals (as Pb)	Not more than 5 ppm	Less than 2 ppm	ICP-OES
11	Moisture	Not more than 1.0 % w/w	0.42	Karl Fischer / Gravimetry

3. DECLARATION

This document sets out the standard specification for Pyridine-Sulfur Trioxide Complex 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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