

CERTIFICATE OF ANALYSIS

Standard product specification

Pyridinium Hydroxy Sulfopropyl Betaine

Formulated product · $\geq 95\%$ Technical

1. PRODUCT IDENTITY

Product name	Pyridinium Hydroxy Sulfopropyl Betaine
C.A.S. number	Applicable to blend — on request
Grade / standard	$\geq 95\%$ Technical
Description	White to light yellow powder
Product group	Brightener Additives
Category	Metal Treatment & Electroplating 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	White to light yellow powder	Complies	Visual
2	Solubility	As per specification	Complies	Visual / Monograph
3	Assay	Not less than 95.0 % w/w	95.65	Titrimetry / Instrumental
4	Matter Insoluble in Water	Not more than 0.05 % w/w	0.014	Gravimetry
5	pH (5 % w/v aqueous solution)	As per specification	6.3	Potentiometry
6	Chloride (as Cl)	Not more than 0.01 % w/w	0.0023	Turbidimetry / IC
7	Sulphate (as SO ₄)	Not more than 0.02 % w/w	0.0051	Turbidimetry / IC

8	Iron (as Fe)	Not more than 20 ppm	2.4 ppm	ICP-OES / AAS
9	Heavy Metals (as Pb)	Not more than 10 ppm	Less than 5 ppm	ICP-OES
10	Moisture	Not more than 1.0 % w/w	0.47	Karl Fischer / Gravimetry

3. DECLARATION

This document sets out the standard specification for Pyridinium Hydroxy Sulfopropyl Betaine 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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