

Certificate of Analysis

Promecens Sulphonated Chitosan

- **Product Name:** Sulphonated Chitosan (S-Ch)
- **CAS No.:** 9012-76-4
- **Molecular Formula:** $C_6H_{11}NO_4SO_{3n}$
- **Molecular Weight (Avg.):** ~350–500 Da
- **Batch No.:** S-Ch/01/2025
- **Date of Manufacture:** June 2025
- **Expiry Date:** May 2028
- **Manufacturer:** Promecens Entosystems Private Limited

Analytical Test Results

Sr. No.	Test Parameter	Result
1	Appearance	Off-white to pale beige powder
2	Odor	Odorless
3	Solubility (in water)	Passes
4	Purity (on dry basis)	≥ 98.7%
5	Sulphur Content (w/w)	6.8%
6	pH (1% solution)	4.8
7	Moisture Content (K.F.)	8.3%
8	Insoluble Matter	0.15%
9	Heavy Metals (as Pb, ppm)	Not detected (NIL)
10	Degree of Sulfonation (DS)	0.95

Remarks:

The batch meets all internal specifications for Sulphonated Chitosan, confirming its suitability for use in pharmaceutical, biomedical, agricultural, and cosmeceutical applications.

Authorized Signatory:

Abhinav Chauhan

Quality Assurance

Issued on behalf of Promecens Entosystems Private Limited