

Certificate of Analysis

Name of Product : Chitosan 70 IG – Chitosan Hydrochloride
Lenzites Betulina Mushroom Source
CAS No. : 70694-72-3
Batch / Lot No. : PRM/CHT-70AG/01/01-2026
Date of Mfg. : January 2026
Date of Exp. : December 2028
Manufactured by : Promecens Entosystems Private Limited

Sr. No.	Test / Parameter	Specification	Result
1	Appearance	Light brown / cream / off-white, free-flowing powder	Cream-colored, free-flowing powder
2	Degree of Deacetylation	≥ 95%	98.67 %
	Purity	98.0 - 99.5 %	99.13%
3	Solubility (1 g in 100 mL DI water; magnetically stirred 1-2 h at RT; do not heat)	Completely soluble in water	Passes
	Zeta Potential	+60 - 75 mV	+71.04 mV
4	pH (1% solution in DI water, 25-30°C)	2.0 - 5.5	4.48
5	Viscosity (1% aq. solution, 30°C)	0.10 - 100 cSt	6.59 cSt
6	Heavy metals (as Pb)	NMT 10 ppm	NIL
7	Soluble fraction in DM water	8.0 - 10.0 %	9.69 %
8	Insoluble in water	NMT 1.0 %	0.01 %

Remarks:

The product meets all required quality specifications and has passed comprehensive quality testing for solubility, pH, viscosity, and appearance.

Authorized Signatory:

Promecens Entosystems Private Limited