

## Certificate of Analysis

**Name of Product : Chitosan 70 AG – 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	<b>Appearance</b>	Light brown / cream / off-white, free-flowing powder	Cream-colored, free-flowing powder
2	<b>Degree of Deacetylation</b>	≥ 95%	98.67 %
	<b>Purity</b>	98.0 - 99.5 %	99.13%
3	<b>Solubility (1 g in 100 mL DI water; magnetically stirred 1-2 h at RT; do not heat)</b>	Completely soluble in water	Passes
	<b>Zeta Potential</b>	+60 - 75 mV	+71.04 mV
4	<b>pH (1% solution in DI water, 25-30°C)</b>	2.0 - 5.5	4.48
5	<b>Viscosity (1% aq. solution, 30°C)</b>	0.10 - 100 cSt	6.59 cSt
6	<b>Heavy metals (as Pb)</b>	NMT 10 ppm	NIL
7	<b>Soluble fraction in DM water</b>	8.0 - 10.0 %	9.69 %
8	<b>Insoluble in water</b>	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