



SPECIFICATION SHEET

Trimethyl Chitosan (TMC-143)

Product: Trimethyl Chitosan
Product Number: TMC-143
Source Material: Crustacean
CAS Number: 52349-26-5

Grade: Biomedical Research, Food, Advanced Industrial and Agriculture
Storage Conditions: <25°C, cool dry environment, well-sealed
Shelf-Life: 36 months

Test Item	Specification
Appearance/Characteristics	Off-White to light yellow powder, Free flowing Powder
Substitution degree (%)	≥80
Viscosity (cps) - (1% in water 20°C)	10-20
Infusibility (%)	≤1.0
Moisture content (%)	≤ 10
Residue on Ignition (%)	≤1.0
pH	4.0 - 6.0
Particle size (mesh)	≥90% pass 60 mesh
Heavy Metals (ppm)	≤20.00
As (ppm)	≤ 1.0
Microbiology	
Mold and Yeast (cuf/g)	≤1000
E.Coli (cuf/100g)	Negative
Salmonella	Negative
Total plate count (cfu/g)	≤1000