



SPECIFICATION

Product: Chitosan

TEST METHOD: AS STIPULATED

Date:2022/04/01

指 标 Specification	标 准 Standard
Appearance	off white powder
Odour	Odourless
Identification	Positive by FTIR
Deacetylated Degree	$\geq 90\%$
Density	$\geq 0.60\text{g/ml}$
Loss on drying	$\leq 10\%$
Ash Content	$\leq 1.5\%$
Viscosity	$\leq 200\text{mPa.s(cps)}$ (determined by 1% chitosan dissolved in 1% Acetic Acid Solution at 20 °C)
Heavy Metals	$\leq 10\text{ppm}$
Iron (Fe)	$\leq 50\text{ppm}$
Lead (Pb)	$\leq 3\text{ppm}$
Mercury(Hg)	$\leq 0.1\text{ppm}$
Cadmium (Cd)	$\leq 1\text{ppm}$
Arsenic (As)	$\leq 2\text{ppm}$
Particle size	NLT 100% thru 100 mesh
Microbial Contamination	
Total plate count	NMT 1000 cfu per gram
S.Aureus	Absent /1gr
Total plate count	NMT 1000cfu per gram
Yeast & Moulds	NMT 100 cfu per gram
Enterobacteriaceae	NMT100 cfu per gram
E.Coli	ND per gram
Salmonellae	Absent/1gr
Distinction	Food grade



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