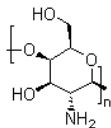




Sarchem Laboratories, Inc

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CERTIFICATE OF ANALYSIS

Chemical Name	Chitosan (Crab Shell Source)		
CAS No:	9012-76-4	Batch No:	SL-3201
Structure			
Molecular Formula	$(C_6H_{11}NO_4)_n$		
Molecular Weight:	100,000-300,000 Daltons		
	Product Properties	Specifications	Results
	Appearance	White powder	Results
	D.A.C. %	≥90	91.7
	Viscosity cps	20-500	26
	Insolubles %	≤0.5	0.09
	Ash %	≤1	0.71
	Moisture %	≤10	9.35
	Mesh Size	80 (95%)	Qualified
	Protein %	≤0.2	0.18
	Lead ppm	≤0.5	0.37
	3+ Ferrum ppm	≤100	≤100
	Arsenic ppm	≤0.5	0.01
	Mercury ppm	≤0.5	0.01
	6+ Chromium ppm	≤1	0.76
	Chromium ppm	≤50	37
	Nickel ppm	≤1	0.02
	Cadmium ppm	≤0.2	0.01
	Total aerobic cfu/g	≤1000	Qualified
	Yeast and Mold cfu/g	≤100	Qualified
	E.Coli cfu/g	Negative	Negative
	Salmonella cfu/g	Negative	Negative

Any claims, adjustments or returns must be made within 30 days.