



Sarchem Laboratories, Inc

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CERTIFICATE OF ANALYSIS

Chemical Name	Chitosan - (Source Aspergillus Niger) Water Soluble		PRODUCT #:	S1247A1	
CAS No:	9012-76-4	Manufacture Date:	May 6, 2021	Report Date:	Exp. Date:
				May 23, 2021	May 22, 2023
Molecular Weight	100,000-300,000 Daltons		Batch#: SL-6221		
	Items	Specifications		Results	
Product Properties	Deacetylation	≥98%		98.05%	
	Appearance	White or light yellow powder		Complies	
	Odor and taste	Characteristic		Complies	
	pH	7-8		8	
	Viscosity (1% in 1% acetic acid)	100 cps		100 cps	
	Mesh size/sieve analysis	100% pass 80 mesh		Complies	
	Loss on drying	≤8%		7.21%	
	Total Ash	≤2%		0.35%	
	Heavy Metals (sum)				
	As	≤2.0 ppm		Complies	
	Pb	≤1.0 ppm		Complies	
	Cd	≤0.5 ppm		Complies	
	Hg	≤0.5 ppm		Complies	
	Sum	≤20.0 ppm		Complies	
	Microbiological quality	Ph. Eur. Category 3A			
	Total Plate Count	<1000cfu/g		261 cfu/g	
	Yeast & Mold	<1000cfu/g		38 cfu/g	
	E. Coli	Negative		Negative	
	Salmonella	Negative		Negative	
	Storage	Sealed, kept in a shady & dry place			
	Shelf Life	Two years			
Approved By:	S. Kumar		06.01.2021		

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