

CERTIFICATE OF ANALYSIS

Product name	Chitosan oligosaccharide	Source	Aspergillus niger
Batch number	GT0210307	Manufacture date	Mar 07. 2021
Batch quantity	1120kg	Expiry date	Mar 07. 2023

ANALYSIS	SPECIFICATION	RUSULT
Deacetylation	≥90%	90.16%
Molecular weight	≤3000	Complies
Characters/appearance	White or light yellow powder	Complies
Odor and taste	Characteristic	Complies
PH	5.5-7	5.6
Water	≤10%	7.1%
Mesh size/sieve analysis	100% pass 150 mesh	Complies
Total ash	≤ 2 %	0.51%
Heavy Metals		
As	≤ 2.0 ppm	Complies
Pb	≤ 1.0 ppm	Complies
Cd	≤ 0.5 ppm	Complies
Hg	≤ 0.5 ppm	Complies
Sum	≤ 10.0 ppm	Complies
Microbiological quality	Ph. Eur. category 3A	
Total Plate Count	<1000cfu/g	220 cfu/g
Yeast & Mold	<100cfu/g	40cfu/g
E.Coli.	Negative	Negative
Salmonella	Negative	Negative
Packing & Storage	Cool and Dry	



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Analyst: 许珂