



Beijing Be-Better Technology Co.,Ltd

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CHITOSAN HYDROCHLORIDE

Batch No.	Quantity	Packaging	Test Date	Manufacture Date	Exp. Date
1220251101	500kg	20kg/drum	2025.11.24	2025.11.22	2027.11.21
ITEM		SPECIFICATION		TEST METHOD	RESULTS
Properties (physical):					
Appearance		White to Light Yellow, Free Flowing Powder		Complies	Complies
Bulk Density		≥0.25g/ml Series Product		Complies	0.32g/ml
Particle size (U.S. Mesh)		NLT 98% through 80 Mesh		Complies	Complies
Appearance of the Solution		Clear- Colourless to Light Yellow		EP-- <2.2.1>	Complies
Analytical Properties					
Deacetylated Degree		80.0%~95.0%(on the dried basis)		Complies	90.89%
Identification					
A: Infrared Absorption		Meets the requirement		EP-- <2.2.24>	Complies
B: Tests for Chloride		Meets the requirement		EP-- <2.3.1>	Complies
C: Ammonia Reaction		A voluminous gelatinous mass is formed		Complies	Complies
D: Acetone Reaction		A voluminous gelatinous mass is formed		Complies	Complies
Matter insoluble in water		≤0.5%		Complies	0.10%
Loss on drying		≤10.0%		EP-- <2.2.32>	7.90%
Sulphated ash		≤1.0%		EP-- <2.4.14>	0.28%
pH Value		4.0~6.0		EP-- <2.2.3>	4.10
Chloride (Cl)		10%~20%		CPC	15.88%
Viscosity		≤17mPa.s(cps)(Determined by 2.0% Chitosan Dissolved in water Solution at 20 ℃)		EP-- <2.2.10>	14.2mPa.s
Heavy Metals		≤40 ppm		EP-- <2.4.8>	Complies
Lead		NMT 0.5ppm		AFS	Complies
Microbial:					
Total Aerobic		NMT 5000 cfu/g		EP -- <2.6.12>	NMT100 cfu/g
Yeast & Mold		NMT 300 cfu/g		EP -- <2.6.12>	NMT 30 cfu/g
E.Coli		Negative		EP -- <2.6.12>	Negative
Salmonella		Negative		EP -- <2.6.12>	Negative
Conclusion:		Meets EP5.0 standards			
Packaging and Storage:		Store in tight, light-resistant containers			
Reason for Change:		Updating Specification Format to EP5.0			
Effective Date: May. 14,2010		Code & Version: DG CHI-HYD0.25g/ml/2			
Part No:		DG 01			

