

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	Chitosan quaternary ammonium salt	<b>Batch Number:</b>	YT20210314
<b>CAS No:</b>	9012-76-4	<b>Manufacture Date:</b>	Mar.14,2021
<b>Packing:</b>	25kg/Drum	<b>Analysis Date:</b>	Mar.14,2021
<b>Quantity:</b>	100kgs	<b>Expiry Date:</b>	Mar.13,2023

ITEM	STANDARD	TEST RESULT
Substitution degree	≥90%	99.6%
<b>Physical &amp; Chemical</b>		
Appearance	Off-white Powder	Complies
Partical Size	95% pass 80 mesh	Complies
Loss on Drying	≤10.0%	6.8%
Ash	≤1.0%	0.16%
PH	6.0-8.0	7.05
Viscosity	10.0 mPa.s -100.0mPa.s	40.00mPa.s
<b>Heavy Metal</b>		
Total Heavy Metals	≤10ppm	<10ppm
As	≤1.0ppm	<1.0ppm
Pb	≤2.0ppm	<2.0ppm
<b>Microbiological Test</b>		
Total Plate Count	≤1,000cfu/g	<10cfu/g
Mold and Yeast	≤100cfu/g	<10cfu/g
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative
<b>Conclusion</b>	Conform with specification	
<b>Storage</b>	Store in cool and dry places. Keep away from strong light and heat	
<b>Packing</b>	By 25kgs/Drum, inner by double plastic bag	
<b>Shelf Life</b>	24 months under the above condition,and in it's original package	

Quality Assurance Officer: Weiqiang Hu


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