



*Specialized in chemicals*

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## Technical Data Sheet

### Chitosan

Chemical Name	Chitosan
CAS #	9012-76-4
EINECS	222-311-2
Formula	C <sub>6</sub> H <sub>11</sub> NO <sub>4</sub> X <sub>2</sub>
Molecular Weight	161.16
Synonyms	DEACETYLATED CHITIN;CHITOSAN
Appearance	Light to white powder

#### Physical Properties

White transparent material, about 9% nitrogen, tasteless odorless

#### Specification

Items	Specification	Results
Appearance	Light to white powder	Conforms
Moisture	8.0%max	7.4%
Ash	1.0%max	0.5%
DAC degree	90%~95%min	92.3%
Bulk density	0.27mg/ml min	Conforms
Particle size	95%min though 80mesh	99%
Heavy metals		
As	1mg/kg max	Conforms
Pb	1mg/kg max	Conforms
Hg	0.5mg/kg max	Conforms
Total plate count	1000cfu/g max.	Conforms
Yeast & Mold Count	1000cfu/g max.	Conforms
Salmonella	Negative	Conforms

E.coli

Negative

Conforms

### **Applications**

- 1.Used be antistaling agent and thickener;
- 2.Can be used for thickener, stabilizer, gelling agent, binder.Also used in acid mouldproof, can form a transparent semi-permeable membrane in the surface.  
Used for pickled products, baking products, bread, oily foods, etc
- 3.Mainly used in food, medicine, agricultural seeds, daily chemical industry, industrial waste water treatment, etc

### **Packaging**

25kg/fiber drum  
12MT/FCL without pallets,7MT/FCL with pallets

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