青 岛 天 亚 化 工 有 限 公 司
QINGDAO TIANYA CHEMICAL CO., LTD

Agriculture Grade Chitosan Specifications

Product Name : Chitosan

Grade : Agriculture Grade

Appearance : Off-white or light yellow semitransparent flake or powder

CAS No : 9012-76-4

Specifications:

Items	Specifications
Appearance	Off-white or light yellow semitransparent flake or powder
D.A.C	≥80%; ≥85%
Viscosity	20-1200 mpa.s
PH	6.5-8.5
Moisture Content	≤12.0%
Insoluble Matter	≤2.0%
Ash	⩽2.0%; ⩽3.0%
Particle Size	40 mesh (95% Pass); 60 mesh (95% Pass); 80 mesh (95% Pass); 100 mesh (95% Pass)

Package & Storage:

Package: 25 Kg fiber drum

Storage: Store in a cool, dry place, away from heat and light. The shelf life: 24 months.

Applications:

In agriculture, chitosan can be used as a plant growth regulator to promote crop rooting, germination and yield improvement; as a biological pesticide, it helps enhance crops' resistance to diseases and pests, reducing the use of chemical pesticides; it can also improve soil structure and enhance soil's water and fertilizer retention capacity. Meanwhile, it can be used as a seed coating agent to increase germination rate. It is a green agricultural input with multiple functions such as promoting growth, resisting diseases and improving soil.

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