



Technical Data Sheet

Chitosan HD ex Aspergillus Niger P. (18597)

PRODUCT INFORMATION

| | | | |
|-------------|--------------------------------|------------|-----------------------|
| Latin name | Aspergillus Niger | INCI | CHITOSAN |
| Origin | China | Synonym | N-aceyl-D-glucosamine |
| Ingredients | Chitosan, Beta-glucan, Protein | CAS | 9012-76-4 |
| Grade | Cosmetic | Solubility | acid-soluble |

ITEM SPECIFICATION

| | |
|----------------------------------|----------------------------------|
| Chitosan Assay | ≥98% |
| Appearance* | Off-white to light yellow powder |
| Odor & Taste | Characteristic |
| pH | 7.0-8.0 |
| Viscosity (1% in 1% acetic acid) | 15-20 cps |
| Mesh size | ≥ 100% pass 80 mesh |
| Loss on drying | ≤8.0% |
| Total Ash | ≤2.0% |
| Density | ≥0.7 g/cm3 |

*The color may vary

HEAVY METALS SPECIFICATION

| | |
|--------------------|----------|
| Total Heavy Metals | ≤20 ppm |
| Arsenic (As) | ≤2 ppm |
| Lead (Pb) | ≤1 ppm |
| Cadmium (Cd) | ≤0.5 ppm |
| Mercury (Hg) | ≤0.5 ppm |

MICROBIOLOGY SPECIFICATION

| | |
|-------------------------------|-------------|
| Total aerobic microbial count | ≤1000 cfu/g |
| Yeast & Molds | ≤100 cfu/g |
| Escherichia coli | Negative |
| Salmonella | Negative |

STATEMENTS

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|--------------------|---|
| Residual Solvents | According to Dir. (EC) 2009/32 and amendments |
| Microbiology | Bacterial Count: TAMC-Bacteria: <1,000 cfu/g, TYMC: <100 cfu/g, Salmonella: negative/25g, E. Coli: negative/25g |
| GMO | GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments |
| ETO | ETO free |
| Vegan | Conform |
| Gluten | Gluten free |
| Irradiation | No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments |
| BSE/TSE | Risk Free BSE/TSE |
| Allergen free | According to Reg. (EC) 1169/2011 |
| Nanomaterials | Absent According to Reg. (EC) 1169/2011 |
| Titanium dioxide | Absent According to Reg. (EC) 2022/63 |
| MOSH / POSH / MOAH | Risk free |
| Packaging | According to Reg. (EC) 1935/2004 and 10/2011 and amendments |

STORAGE AND HANDLING

| | |
|------------|---|
| Storage | Store in a well-closed container away from moisture and direct sunlight |
| Shelf Life | 2 years if sealed and properly stored |

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