

Ensymm Bulk Chitosan Catalogue



Properties of chitosan

- Decrease of level of cholesterol in a blood;
- Blood pressure normalisation;
- Decrease of level of glucose in a blood;
- Antitumoral action;
- Anti-infectious action;
- Stimulation the growth of bifidobacteria;
- Improvement of work of an intestine;
- Healing wounds action;
- Immunity stimulation.

ensymm

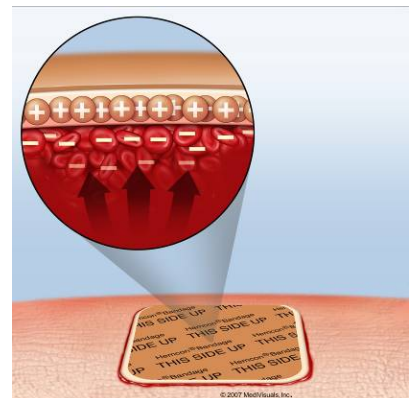
Chitosan Applications

High Value
Low Volume



Low Value
High Volume

- Biomedical and Pharmaceuticals
- Chemical and Industrial
- Cosmetics
- Food Industry
- Nutraceutical
- Water Purification
- Agricultural
- Fiber & Textiles
- Paper Technology



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PRODUCT SPECIFICATIONS		
Parameters	Specification	Test Method
INGREDIENTS "AS IS BASIS" CHITOSAN SUCCINIC ACID	≥ 90% 5 – 10%	MBR (Master Batch Record)
TRIGLYSERIDE BINDING	≥ 50 g/g	CP-011 / STM-0161
TAP DENSITY	0.50 – 0.60 g/cc	CP-009 / STM-0092
LOSS ON DRYING	≤ 10%	CP-001 / STM-0060
PARTICLE SIZE	99% pass US std 50 mesh sieve	CP-008 / STM-0117
TOTAL PLATE COUNT	< 1000 cfu/g	NMKL no. 86, 2006
ESCHERICHIA COLI	Absent	ISO no. 7251, N2005
STAPH.	Absent	NMKL no. 66, 2003
SALMONELLA	Absent	NMKL no. 71, 1999
LISTERIA	Absent	NMKL nr. 136, proposed revised method 2007 modified.
PSEUDOMONAS	Absent	DS/EN 12780: 2004
MOULD AND YEAST	< 100 cfu/g	NMKL no. 98, 2005 (Compendium of methods for the microbiological examination of foods (2nd ed. 1984) 17.52)
ARSENIC	< 2 ppm	SW-846 6020 ICP/MS
CADMIUM	< 0.2 ppm	SW-846 6020 ICP/MS
LEAD	< 1.0 ppm	SW-846 6020 ICP/MS
MERCURY	< 0.05 ppm	SW-846 7471 CVAA

NMKL - Nordic Committee on Food Analysis

ISO – International Organization for Standardization

ICP/MS – Inductively Coupled Plasma Mass Spectrometry

CVAA – Cold Vapor Atomic Absorption

DS/EN – Dansk Standard European Norms

*Chitosan medical/pharma grade
Suitable for dietary application AND wound healing material*

EX WORK

Origin: Western European Union

