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SPECIFICATION SHEET

Product Name	SODIUM HYALURONATE FOOD GRADE (HYALURONIC ACID)
CAS Number	9067-32-7
Molecular Formula	Na [C6H7O7.C8H12NO5]
Country of Origin	China
Batch Quantity	1000kg
Solvent Used	None

ITEMS	**SPECIFICATIONS**
Appearance	A white or almost white, very hygroscopic powder or a fibrous aggregate
Solubility	Sparingly soluble to soluble in water; practically insoluble in acetone, ethanol & ether
Identification (1)	Positive
Identification (2)	Positive
pH	6.0 – 8.0
Bulk Density	0.3 – 0.6 g/cm
Molecular Weight	0.8 – 1.5 x 10^6Da
Loss on Drying	≤ 10.0%
Mesh	100% through 80 Mesh
Residue on Ignition	≤ 13%
Heavy Metals	≤ 10 ppm
Arsenic	≤ 2 ppm
Lead	< 0.5 ppm
Cadmium	< 0.5 ppm
Mercury	< 0.1 ppm
Transparency (0.1% solution)	≥ 99
Proteins	≤ 0.1%
MICROBIOLOGY	
Bacteria Count	≤ 100 cfu/g
Yeast & Mold	≤ 10 cfu/g
Escherichia coli	Negative
Staphylococcus aureus	Negative
Salmonella	Negative
Glucuronic acid	≥ 44.0% (on dried basis)
Assay (Sodium Hyaluronate)	≥ 95.0% (as-is)
Conclusion	This product complies with the specifications.

Packing & Storage: Packed in a paper-drums and two plastic-bags inside 1 kg carton. Store in a well-close container away from moisture.

Shelf Life: Three years if sealed and store away from direct sun light.

Note: The above information is based on the certificate of analysis received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by :_____
Abdullah Malik (QA)