



American International Chemical, Inc.

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SPECIFICATION SHEET

SODIUM HYALURONATE (Macronan™ PF)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Written By	Rev. No.	Approved By
SHYKKF	2330	9067-32-7	May 22, 2006	HHK	HHK	Original	TJK

CHARACTERISTICS:	A powder form of Sodium Hyaluronate used for functional foods and food additives. Biopolymer consisting of N-Acetyl-D-glucosamine and glucuronic acid, produced by fermentation of non-hemolytic bacterial strain.
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SPECIFICATIONS:	Appearance	White powder
	Clarity	Less than 0.01
	pH	5.5-7.5
	Intrinsic viscosity	10-20 dL/g
	Molecular weight	0.5-1.2 Mda
	Sodium hyaluronate	95-105%(w/w, on dry basis)
	Uronic acid	Greater than 45% (w/w, on dry basis)
	Protein	Less than 0.1%(w/w, on dry basis)
	Loss on drying	Less than 10%
	Heavy metals	Less than 20 ppm
	Arsenic	Less than 2 ppm
	Total coliforms	Negative
	Staphylococcus aureus	Negative
	Pseudomonas aeruginosa	Negative
	Salmonella	Negative
	Hemolytic streptococci	Negative
	Hemolysis	Negative
Mold and yeast	Less than 100 cfu/g	
Total plate count	Less than 100 cfu/g	

STOCKING POINTS:	Not stocked yet. Will fly in.
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PACKAGING:	1 kg aluminum foil bag and 10 kg poly lined open head drum.
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APPLICATIONS:	Used for functional foods and food additives.
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SPECIAL STORAGE INSTRUCTIONS:	Store at -20 to 6° C, out of direct light, in original unopened containers.
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OTHER:	Sodium hyaluronate is a mucopolysaccharide found naturally in the human body. It is found in synovial fluid in human joints where it acts as a lubricant and shock absorber, and is a primary component of cartilage.
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SHELF LIFE:	If stored at cool temperature and out of direct light product will be stable for 36 months.
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