

Sodium Hyaluronate

We are an agency for sodium hyaluronate. Hyaluronic acid (HA) is a carbohydrate which occurs naturally throughout the human body. It can be several thousands of sugars (carbohydrates) long. When not bound to other molecules, it binds to water giving it a stiff viscous quality similar to "Jello". This viscous Gel is one of the most heavily researched substances in medicine today with thousands of clinical trials mostly in the fields of orthopedics and eye surgery. Its function in the body is, amongst other things, to bind water and to lubricate movable parts of the body, such as joints and muscles. Its consistency and tissue-friendliness allows it to be used in skin-care products as an excellent moisturizer. Hyaluronic acid is one of the most hydrophilic (water-loving) molecules in nature and can be described as "nature's moisturizer".

Applications for sodium hyaluronate include eye drops, contact lens solution, topical preparations, cell culture media and oral pharmaceutical preparations. [Contact us](#) for free samples and more information on sodium hyaluronate and how it may serve your application.

PRODUCT IDENTIFICATION:

Product name: Sodium Hyaluronate

Synonyms: Hyaluronic acid (HA), sodium salt

General usage: Food ingredient for oral application

CAS#: 9067-32-7

PROPERTIES AND SPECIFICATIONS:

Test Items	Method	Standards
Physical:		
Appearance:	Visual in powder	White or almost white, very hygroscopic grain or powder, without odor
Chemical:		
pH value ¹	pH meter	6.0-7.5
Glucuronic acid HA ²	Spectrophotometry Calculation	NLT 44% NLT 91%
Molecular weight	Viscometer	3 x 10 ³ - 2.0 x 10 ⁶ Dalton
Heavy Metals(as Pb)	Colorimetry	NMT 20.0ppm
Arsenic	Colorimetry	NMT 2.0ppm
Loss on Drying	1.0g 60°C 4hours	NMT 10.0%
Residue on Ignition	Heating and Igniting to standing weight	NMT 20.0%
Microbiological:		
Bacterial counts	Medium Incubating Method	NMT 100cfu/g
Yeast and Mold	Medium Incubating Method	NMT 50cfu/g
Staphylococcus Aureus	Coagulase Test	Negative
E.Coli	Medium Incubating and Inoculate Loop Method	Negative
Pseudomonas Aeruginosa	Oxidase and Pigment Tests	Negative
Salmonella	Medium Incubating and Inoculate Loop Method	Negative
Viable Hemolytical Streptococci Hemolysis	Blood Agar Plate Test	Negative

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