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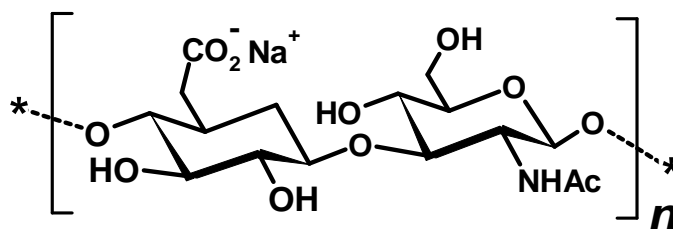
Product Specifications

Hyaluronic Acid, Sodium Salt

CAS 9067-32-7

Grade Standard and EP

Structure:



Mol. Formula
Source

Unspecified
Streptococcus Zooepidemicus

Mol. Wt. 50 KDa; 200 KDa; 500 KDa;
800 KDa; 1.2-2 MDa

<i>Test</i>	<i>Specification</i>	<i>Specification (EP 6.0)</i>
Identity	IR	IR
Sodium	-----	EP 2.3.1 (a)
Appearance	White powder	White powder
Solubility	-----	Soluble in Water, insoluble in Acetone and anhydrous Ethanol
pH	6.0-8.0	5.0-8.5 [EP 2.2.3]
Appearance of solution	-----	[EP 2.2.1]
Absorbance at 600 nm	-----	< 0.01 [EP 2.2.25]
Intrinsic Viscosity	-----	> 1.75 m ³ /Kg [EP]
Sodium Hyaluronate	≥ 90 %	95-105% [EP]
Sp. Rot., [α]_D	- 74 °C (c = 0.25, H ₂ O) [Lit.]	-----
LOD	≤ 8.0 %	≤ 20.0 % [EP 2.2.32]
Ash (residue on ignition)	≤ 20 %	-----
Protein	≤ 0.1 %	≤ 0.1 % [EP]
Glucuronic Acid	≥ 40.0 %	-----
Nucleic Acid	-----	[EP 2.2.25]

- cont'd -

- cont'd -

<i>Test</i>	<i>Specification</i>	<i>Specification (EP 6.0)</i>
Molecular Weight (Daltons)	~ 50 KDa ~ 200 KDa ~ 500 KDa ~ 800 KDa 1.2-2 MDa	~ 50 KDa ~ 200 KDa ~ 500 KDa ~ 800 KDa 1.2-2 MDa
Heavy metals		
Pb	≤ 10 ppm	≤ 10 ppm
As	≤ 2 ppm	≤ 2 ppm
Chlorides	-----	≤ 0.5% [EP 2.4.4]
Iron	-----	≤ 80 ppm [EP 2.2.23, Method II]
Microbiological Specification		
Total Aerobic (CFU/g)	≤ 10 cfu/gm	≤ 100 cfu/gm [EP 2.6.12]
<i>E. Coli</i>	Negative	Negative
<i>S. Aureus</i>	Negative	Negative
<i>S. Apecies</i>	Negative	Negative
Mold and Yeast (CFU/g)	≤ 10 cfu/gm	≤ 10 cfu/gm
Endotoxins	< 0.5 IU/mg	< 0.5 IU/mg [EP 2.6.14]

Storage: Maintain in cool, dry containment.