



MTC Industries, Inc.

Nutraceuticals, Foodceuticals and Pharmaceuticals

SPECIFICATION

Product Name: **Sodium Hyaluronate**

Formula: $(C_{14}H_{20}NNaO_{11})_n$

Cas No.: 9067-32-7 [Quality Standard]

Items	Specification	Method
Appearance	White or almost white powder or grain, No impurities	visual
Infrared absorption	Corresponding to Reference Spectrum	Q/FST 001-2022
Reaction of sodium	Positive	Q/FST 001-2022
Glucuronic Acid, %	≥ 44.0	QB/T 4576-2013
Sodium Hyaluronate, %	≥ 91.0	QB/T 4576-2013
Transparency, (0.1% Water Solution)	≥ 99.0	QB/T 4576
pH (0.1% Water Solution)	6.0~8.0	QB/T 4576
Average molecular weight, Dalton	1.0M-1.2M	FST ZL-001-012
Intrinsic Viscosity, dl/g	17.3-19.9	FST ZL-001-012
Moisture content, %	≤ 10.0	Refer to GB 5009.3
Ash content, %	≤ 13	Refer to GB 5009.4
Heavy Metal (in lead), mg/kg	≤ 10	Refer to GB 5009.74
Particle size	100% pass through 80 mesh	In-house method
Bulk density, g/mL	≥ 0.27	In-house method
Tapped density, g/mL	≥ 0.40	In-house method
*Pb, ppm	≤ 0.5	Refer to GB 5009.12



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* As, ppm	≤1.0	Refer to GB 5009.11
* Mercury, ppm	≤0.1	Refer to GB 5009.17
* Cadmium, ppm	≤0.5	Refer to GB 5009.15
Bacteria Count, cfu/g	≤100	Refer to GB 4789.2
Molds & Yeast, cfu/g	≤50	Refer to GB 4789.15
Staphylococcus aureus/25g	Negative	Refer to GB 4789.10
Salmonella/25g	Negative	Refer to GB 4789.4
Coliform, CFU/g	Negative	Refer to GB 4789.3
Viable hemolytical Streptococci/25g	Negative	Refer to GB/T 4789.11



Storage: Cool, ventilated and dry

Country of Origin: China