



ATTS CHEMICALS

12000 Lincoln Drive West, Suite #112, Marlton, NJ 08053
Specification

SODIUM HYALURONATE (Cosmetic Grade)

CAS NO: 9067-32-7

ITEMS	ACCEPTANCE CRITERIA			
	Cosmetic Grade HA	HA (Low Molecular Weight)	HA-Oligo	HA(1% Solution)
Character	white or almost white powder or granules	white or almost white powder or granules	white or almost white powder or granules	a clear colorless viscous liquid
pH	6.0 – 7.5	6.0 – 7.5	3.0 – 5.0	6.0 – 7.5
Transparency	≥ 99.0%	≥ 99.0%	≥ 99.0%	≥ 97.0%
Loss on Drying	≤ 10.0%	≤ 10.0%	≤ 10.0%	-----
Molecular Weight	$1.0 \times 10^6 - 1.8 \times 10^8$	$< 1.00 \times 10^6$	< 10000	-----
Protein	≤ 0.05%	≤ 0.05%	≤ 0.1%	≤ 0.002%
Heavy Metals	≤ 20 ppm	≤ 20 ppm	≤ 20 ppm	≤ 2 ppm
Glucuronic Acid	≥ 44.0%	≥ 44.0%	≥ 44.0%	≥ 4.5 mg/ml
Total Bacteria Count	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g
Total Mold & Yeast Count	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g	< 10 cfu/g
<i>Staphylococcus aureus</i>	Not detected	Not detected	Not detected	Not detected
<i>Pseudomonas aeruginosa</i>	Not detected	Not detected	Not detected	Not detected

PACKING OPTIONS:

Powder: 100 g/bottle; 500 g/bag; 1 kg/bag

Solution: 1 kg/bottle; 20 kg/drum

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