

TECHNICAL DATA SHEET



<u>Product:</u>	Hyaluronic acid 90%
<u>Identification:</u>	Positive
<u>Production method:</u>	Fermentation by <i>Streptococcus zooepidermicus</i>
<u>Origin:</u>	China
<u>CAS number:</u>	9004-61-9
<u>EC number:</u>	232-678-0
<u>Aspect:</u>	White or off white powder
<u>Bulk density (g/ml):</u>	≥ 0.2
<u>Particle size:</u>	95% pass 80 mesh
<u>Molecular weight (Da):</u>	1.0 – 1.5x10 ⁶
<u>Sodium hyaluronate (%):</u>	> 95.0
<u>Hyaluronic acid (%):</u>	> 90.0
<u>Glucuronic acid (%):</u>	≥ 44.0
<u>Loss on drying (%):</u>	< 10.0
<u>Ash (%):</u>	< 13.0
<u>Residue on ignition (%):</u>	< 13.0
<u>pH (0.1% solution):</u>	6.0 – 7.5
<u>Transmittance (0.1 % solution, %):</u>	≥ 99.0
<u>Solubility:</u>	Soluble in water
<u>Protein (%):</u>	< 0.1

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Product: Hyaluronic acid 90%

Heavy metals (ppm):

Pb	< 10
As	< 3
Cd	< 1
Hg	< 1
	< 0.1

Microbiology

Aerobic total count	< 1000 cfu/g
Yeast and moulds	< 100 cfu/g
<i>E. coli</i>	Negative/10g
<i>Salmonella</i>	Negative/10g
<i>Staphylococcus aureus</i>	Negative/10g

Grade: Food Grade

Storage: Store in original drums away from light at room temperature (< 25°C)

Shelf life: 36 months from production date

Remarks: Non-GMO
Allergen free
Not irradiated
BSE/TSE free