

# SPECIFICATIONS



**Product Code:**

**Updated: 11/20/00**

**Revised: 2/20/03**

**RITA HA C-1-P**  
**INCI Name . . . . Sodium Hyaluronate**

**DEFINITION:** Sodium Hyaluronate is the sodium salt of Hyaluronic Acid.

**DESCRIPTION:** RITA HA C-1-P has natural skin-like properties, excellent water retentive capacity and high viscoelasticity. It is highly recommended for skin products, such as creams, sprays, emulsions, lipsticks, etc. The recommended usage level for skin care products is 0.05 - 1%.

**GENERAL DATA:**

Physical Form @ 25°C	White powder or granules
CAS Number	9067-32-7
Molecular Weight	Approx. <2,000,000 daltons

**SPECIFICATIONS:**

Appearance	White powder or granules
Solubility in water (0.5% w/v)	Completely soluble
Appearance in solution (0.5% w/v)	Clear to slightly opalescent, colorless, viscous liquid
pH (0.5% sol'n)	6.0 - 7.0
Loss on Drying, %	9.0 Max.
Glucuronic Acid, %	46-48%
Nitrogen, %	3.0 - 3.6
Protein Content, %	0.1 Max.
Ash Content, %	<10
Arsenic, ppm	2 Max.
Lead, ppm	10 Max.
Mercury, ppm	1 Max.
Antimony, ppm	2 Max.
Cadmium, ppm	3 Max.
Total Bacteria Count	100 CFU/g Max.
Pathogen	Not detected
Haemolytic Streptococcus	Not detected
% Sodium Hyaluronate	95-100
Molecular Weight (x10 <sup>6</sup> Da)	1.5-1.7
Viscosity (0.05% solution) (cSt)	1.96-2.28

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