

Certificate of Analysis

Product Name:	Sodium Hyaluronate	Origin:	Fermentation
Batch No.:	FC20150110	Manufacturing Date:	1/10/2015
Analysis Date:	1/15/2015	Retest Date:	1/10/2017
Batch Quantity:	18kg	Grade:	HAF-H

<u>Items</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White or almost white powder	White powder
Particle size	Pass through a 40 mesh sieve	Complies
Sodium Hyaluronate	≥90%	98.92%
Glucuronic acid	≥42%	47.85%
pH(0.1% solution)	6.0-7.5	6.5
Molecular weight	≥1.8×10 ⁶ Da	2.0 ×10 ⁶ Da
Transparency(0.1% solution)	≥99%	99.6%
Loss on drying	≤15%	5.0%
Ash	≤13%	12.2%
Heavy metal	≤20ppm	Complies
Arsenic	≤2ppm	Complies
Bacterial counts	≤1000cfu/g	Complies
Mold and Yeast	≤100cfu/g	Complies
Escherichia coli	Cannot be checkout	Complies
Salmonella	Cannot be checkout	Complies

Conclusion **Qualified**

Stored: Stored in an airtight container at a cool place.

Stanford Chemicals Company

By

