

Certificate of Analysis

Product Name:	Sodium Hyaluronate	Origin:	Fermentation
Batch No.:	14061701	Manufacturing Date:	8/24/2014
Analysis Date:	8/26/2014	Retest Date:	8/25/2016
Item No.:	HAF- Oligo	Grade:	Food Grade

<u>Items</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White powder	White powder
Sodium Hyaluronate	≥90%	93.88 %
Glucuronic acid	≥42.0%	44.7%
Molecular weight	<10K Da	7.2 K Da
pH (0.1% solution)	6.0-8.0	6.85
Transparency (0.1% solution)	99%	99.8%
Protein	≤0.1%	0.08%
Heavy metal	≤20ppm	Complies
Arsenic	≤2ppm	Complies
Loss on drying	≤10.0%	4.96%
Bacterial counts	≤100cfu/g	Complies
Mold and Yeast	≤100cfu/g	Complies
Staphylococcus aureus	Negative	Complies
Pseudomonas aeruginosa	Negative	Complies

Conclusion

Stored: Store in a dry and cool place.

Qualified

Stanford Chemicals Company

By

