



Certificate of Analysis

Product Name: HA-Oligo degraded by hyaluronidase (mini HA)
Standard SF/JS ZL-001-41
Batch No.: SCC1611092 **Manufacturing Date:** 11/09/2016
Analysis Date: 11/09/2016 **Retest Date:** 11/09/2019

<u>Items</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White or almost white powder or fibrous aggregates	White powder
Identification		
A. Infrared absorption	Complies with <i>Ph. Eur. Reference spectrum of Sodium hyaluronate</i>	Complies
B. Reaction of sodium	Positive	Positive
Sodium hyaluronate (HPLC)	≥95.0%	95.6%
pH	6.0-8.0	6.4
Transparency	≥99.0%	99.8%
Molecular Weight	<10 K	5554
Protein	≤0.1%	0.00%
Heavy metal	≤20ppm	<20ppm
Loss on drying	≤10.0%	6.3 %
Bacteria counts	≤100cfu/g	Complies
Mold & Yeast	≤50cfu/g	Complies
<i>Pseudomonas aeruginosa</i>	Negative	Negative
<i>Staphylococcus aureus</i>	Negative	Negative

Stored: Store in a cool, dry location in a tightly sealed container.

Stanford Chemicals Company

By