



## Certificate of Analysis

Product name	Hyaluronic Acid	Standard	Enterprise's Standard
Batch number	20070408	Batch quantity	600kg
Analysis Date	April 10, 2007	Manufacturing date	April 8, 2007
Certificate Date	April 10, 2007	Re-test date	April 8, 2009

ITEMS	SPECIFICATION	RESULTS
Appearance	White or almost white powder	Conforms
Odor & taste	Characteristic	Conforms
Identification	Passes all criteria tests	Conforms
Production method	Microorganism fermentation	Conforms
D-Glucuronic acid	≥ 42.0%	44.43%
Sodium Hyaluronate (dry basis)	90%-105%	91.97%
Loss on drying	≤ 10%	6.59%
Molecular Weight	(0.8-2.0)×10 <sup>6</sup>	1.18×10 <sup>6</sup>
PH (0.1% solution)	6.0~8.0	6.62
Protein	≤ 0.1%	0.05%
Transparency (in 0.1% aq.sol)	≥ 99.0%	99.8%
Heavy metals	≤ 20ppm	Conforms
As	≤ 2ppm	Conforms

### Microbiology

Total plate count	≤ 100/g	Conforms
Yeast & mould	≤ 100/g	Conforms
E. Coli	Negative	Negative
Staphylococcus Aurcus	Negative	Negative

**Conclusion: Conform to specification.**

**Storage: Cool & dry place(Temperature between 2°C and 10°C.) Do not freeze. Keep away from strong light and heat.**

**Storage life: 2 Years when properly stored**