

Certificate of Analysis
(Representative Sample Certificate)

Product Name: Hyaluronic acid
INCI Name: Sodium Hyaluronate
CAS Number: 9067-32-7
Lot Number: Not available (data may vary slightly with different lots or batches)
Re-test Date: 24 months from production date

Analytical Tests	Specifications	Results
Appearance (EP 9.0)	White or almost white powder or granule	Complies
Sodium Hyaluronate (QB/T 4576)	≥95%	97.6%
Appearance of Solution (EP 9.0)	$A_{600nm} \leq 0.01$	Complies
Nucleic Acids (EP 9.0)	$A_{260nm} \leq 0.5$	Complies
pH (0.5% aq. sol. @ 25°C) (EP 9.0)	5.0-8.5	6.7
Molecular Weight (QB/T 4416)	0.80-1.50 Million Daltons	1.08 Million Daltons
Protein (CP)	≤0.1%	0.05%
Loss on Drying (GB 5009.3)	≤10%	7.0%
Residue on Ignition (CP)	≤20.0%	17.1%
Chlorides (EP 9.0)	≤0.5%	Complies
Iron (EP 9.0)	≤80 ppm	<80 ppm

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

Heavy Metal (QB/T 4576)	≤20 ppm	<10 ppm
Arsenic (GB 5009.11)	≤2 ppm	<2 ppm
Lead (GB 5009.12)	≤1 ppm	<1 ppm
Mercury (GB 5009.17)	≤1 ppm	<1 ppm
Cadmium (GB 5009.15)	≤1 ppm	<1 ppm
Bacteria Count (QB/T 4416)	≤100 CFU/g	Complies
Molds & Yeasts (QB/T 4416)	≤50 CFU/g	Complies
Staphylococcus aureus (QB/T 4416)	Negative/g	Negative
Escherichia coli (CP)	Negative/g	Negative
Hemolytic Streptococci (GB 4789.11)	Negative/g	Negative
Salomella (GB 4789.4)	Negative/25g	Negative

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

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