

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Hyaluronic Acid
INCI Name: Sodium Hyaluronate (and) Water
CAS Number: 9067-32-7, 7732-18-5
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 36 months from production date

Property	Specification	Analysis
Appearance (EP 9.0)	White or almost white powder or granule	White powder
Sodium Hyaluronate (QB/T 4576)	≥95%	97.2%
Appearance of Solution (EP 9.0)	$A_{600nm} \leq 0.01$	Pass
Nucleic Acids (EP 9.0)	$A_{260nm} \leq 0.5$	Pass
pH (0.5% aqueous solution @ 25 °C) (EP 9.0)	5.0 - 8.5	6.9
Molecular Weight (QB/T 4416)	0.80 - 1.50 Million Daltons	1.05 Million Daltons
Protein (CP)	≤0.1%	0.03%
Loss on Drying (GB 5009.3)	≤10.0%	7.5%
Residue on Ignition (CP)	≤20.0%	Pass
Chlorides (Eur 9.0)	≤0.5%	Pass
Iron (EP 9.0)	≤80 ppm	<80 ppm
Heavy Metal (QB/T 4576)	≤10 ppm	<10 ppm
Arsenic (GB 5009.11)	≤2 ppm	<2 ppm
Lead (GB 5009.12)	≤1 ppm	<1 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 themselves as to the suitability & completeness of such information for their own particular use.

Mercury (GB 5009.17)	≤1 ppm	<1 ppm
Cadmium (GB 5009.15)	≤1 ppm	<1 ppm
Bacteria Counts (QB/T 4416)	≤100 CFU/g	Pass
Molds & Yeasts (QB/T 4416)	≤50 CFU/g	Pass
Staphylococcus aureus (QB/T 4416)	Negative/	Pass
Escherichia coli (CP)	Negative/g	Pass
Hemolytic Streptococci (GB 4789.11)	Negative/g	Pass
Salmonella (GB 4789.4)	Negative/25g	Pass

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was 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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