



Certificate of Analysis

Product Name:	Hyaluronic Acid	Batch Number:	Varies
Cas No.	9004-61-9	Manufacture Date:	Varies
Molecular Formula:	(C₁₄H₂₁NO₁₁)_n	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (HA)		> 91 - 96.5%	93.94 - 97.20%
Physical	Appearance	White or almost white powder or granules	Complies
	pH	6.0 - 8.0	6.4 - 6.6
	Particle Size	100% pass 60 mesh	Complies
	Loss on Drying	≤ 10 - 12%	3.54 - 5.3%
	Ash	≤ 13%	10.6 - 10.9%
Chemical	Heavy Metals	≤ 10 ppm	Complies
	Arsenic (As)	≤ 2 ppm	Complies
	Cadmium (Cd)	≤ 2 ppm	Complies
	Lead (Pb)	≤ 2 ppm	Complies
	Mercury (Hg)	≤ 0.5 ppm	Complies
	Glucuronic Acid	≥ 44%	47%
Microbial	Total Plate Count	≤ 100 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E.coli, Salmonella, Staphylococcus	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

