

Certificate of analysis Sodium Hyaluronate (Cosmetic Grade 1600kDa)

CAS No.	9067-32-7	Code	BIOJSHF001
Batch No	23100501	Manufacture date	Oct.05, 2023
Expiry date	Oct.04, 2025	Quantity	1Kg

Testing Items	Specifications	Results
Appearance	White or almost white powder	Complies
Infrared absorption	Positive	Complies
Reaction of sodium	Positive	Complies
Absorbance	≤ 0.25	0.07
Transparency	$\geq 99.0\%$	99.8%
pH	6.0~7.5	6.5
Intrinsic viscosity	(23.64~29.59)dL/g	25.71 dL/g
Molecular weight	$(1.50\sim 2.00) \times 10^6 \text{Da}$	$1.67 \times 10^6 \text{Da}$
Kinematic viscosity	Actual value	71.54mm ² /s
Loss on drying	$\leq 10\%$	8.74%
Residue on ignition	$\leq 20\%$	18.98%
Heavy metals	$\leq 20 \text{ppm}$	<20ppm
Arsenic	$\leq 2 \text{ppm}$	<2ppm
Protein	$\leq 0.1\%$	0.03%
Assay	95.0%~105.0%	95.2%
Glucuronic acid	46.0%~51.0%	46.1%
Total bacterial count	$\leq 100 \text{cfu/g}$	<10cfu/g
Yeasts & mold	$\leq 20 \text{cfu/g}$	<10cfu/g
E. coli	Negative	Negative
Staph	Negative	Negative
Preudomonas aeruginosa	Negative	Negative
Salmonella	Negative	Negative
Conclusion	This product conforms to in-house standard	

***Storage: Store at 0~8°C, Protect from moisture and light.**