



Certificate of Analysis

Name: Cationic hyaluronic acid

Name	Hydroxypropyltrimonium hyaluronate	CAS No.	1714127-68-0
Grade	Cosmetic Grade	Standard	In house
Lot No.	HPTH2411319	Quantity	500g
MFG Date	2024/11/30	EXP Date	2026/11/29

Item	Specification	Results
Appearance	White or off-white powder	Complies
Identification	Identification of sodium	Complies
Glucuronic acid	37.0-46.0	40.1%
Ph (0.5% solution)	5.0-8.5	6.9
Protein	≤0.05%	0.032%
Residue on ignition	11.0-16.0%	15%
Transmittance (0.5% solution)	≥99.0%	99.9%
Loss on drying	≤10.0%	8.1%
Kinematic viscosity	2-10mm ² /s	3.4 mm ² /s
Residue on ignition	≤15.0%	Complies
Degree of cationization	0.15-0.60	0.36
Pb	≤20 μg/g	<20 μg/g
Total plate count	≤100 cfu/g	<25 cfu/g
Mold and Yeast	≤50 cfu/g	<20 cfu/g

Conclusion: The results meet the requirements of the specifications.

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