



Raya Hyaluron 3500

INCI name:	Sodium hyaluronate
Chemical description:	D-Glucuronacid-N-Acetyl-D-Glucosamin Polymer
Trade name:	Raya Hyaluron 3500
Application:	Cosmetics
Packaging:	in bags
Filling quantity:	1 kg/bag 5 kg/bag Special packaging upon request
Shelf life:	up to 2 years, not opened
Storage conditions:	dry and cool avoid direct sunlight



Product Specification Hyaluronic acid 3500

Test	Specification	Batch 20160704
Appearance	white powder	white powder
Glucuronic Acid	≥ 44 %	46.50 %
Sodium Hyaluronate	≥ 91 %	96.14 %
Appearance of Solution	A600nm ≤ 0.01	conforms
Nucleic Acid	A260nm ≤ 0.5	conforms
pH	5.0-8.5	6.40
Molecular Weight	3000 - 5000 Da	3500 Da
Protein	≤ 0.05 %	0.03 %
Loss on drying	≤ 10 %	6.5 %
Residue on Ignition	≤ 20 %	10.5 %
Chlorides	≤ 0.5 %	0.3 %
Iron	≤ 50 ppm	< 50 ppm
Heavy metal	≤ 10 ppm	< 10 ppm
Arsenic	≤ 2 ppm	< 2 ppm
Bacteria Count	≤ 100 CFU/g	< 100 CFU/g
Molds & Yeast	≤ 10 CFU/g	< 10 CFU/g
Staphylococcus aureus	negative	negative
Pseudomonas aeruginosa	negative	negative
Hemolysis	negative	negative
Viable Hemolytical Streptococci	negative	negative
Conclusion	complied with EP 4.0	