



Raya Hyaluron LMW

INCI name:	Sodium hyaluronate Hydrolyzed hyaluronic acid
Chemical description:	D-Glucuronsäure-N-Acetyl-D-Glucosamin Polymer
Trade name:	Raya Hyaluron LMW
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 (Sodium Salt) LMW

Test	Specification	Batch 1206212
Appearance	white powder or granules	conforms
Transparency	> = 99.0 %	99.8 %
Identification		
Reaction of alkaline	positive	conforms
Reaction of sodium	positive	conforms
Assay Sodium hyaluronate	> = 91.0 %	95.5 %
Glucuronic acid	> = 44.0 %	46.2 %
pH	5.0 - 8.5	6.5
Limiting viscosity	0.47 – 2.86 dl/g	1.26 dl/g
Loss on drying	< = 10.0 %	6.31 %
Kinematic Viscosity		1 mm ² /s
Molecular weight	10 – 50 k Da	35 k Da
Heavy metals	< = 20 ppm	conforms
Protein	< = 0.05 %	0.023 %
Microbiological Tests		
Bacteria counts	< 100 cfu/g	conforms
Yeast & Mold	< 10 cfu/g	conforms
Pseudomonas aeruginosa	negative	negative
Staphylococcus aureus	negative	negative
Hemolysis	negative	negative
viable Hemolytical Streptococci	negative	negative