



Raya Hyaluron HMW

INCI name:	Sodium hyaluronate
Chemical description:	D-Glucuronsäure-N-Acetyl-D-Glucosamin Polymer
Trade name:	Raya Hyaluron HMW
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) HMW

Test	Specification	Batch 13070503
Appearance	White powder or granules	conforms
Transparency	> = 99.0 %	99.9 %
Identification		
Reaction of alkaline	positive	conforms
Reaction of sodium	positive	conforms
Assay Sodium hyaluronate	> = 91.0 %	97.3 %
Glucuronic acid	> = 44.0 %	47.0 %
pH	6.0 – 7.5	6.5
Limiting viscosity	5.0 – 15.0 dl/g	14.2 dl/g
Loss on drying	< = 10.0 %	6.7 %
Kinematic Viscosity		18.5 mm ² /s
Molecular weight	500 – 1000 k Da	780 k Da
Heavy metals	< = 20 ppm	conforms
Protein	< = 0.05 %	0.03 %
Microbiological Tests		
Bacteria counts	< 10 cfu/g	conforms
Yeast & Mold	< 10 cfu/g	conforms
Pseudomonas aeruginosa	negative	negative
Staphylococcus aureus	negative	negative