



Raya Hyaluron micro

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

Test	Specification	M1309403
Appearance	white powder or granules	conforms
Transparency	$\geq 99.0\%$	99.8 %
Identification		
Reaction of alkaline	positive	conforms
Reaction of sodium	positive	conforms
Assay Sodium hyaluronate	$> 95.0\%$	97.7 %
Glucuronic acid	$\geq 44.0\%$	47.0 %
pH	5.0 – 8.5	6.4
Limiting viscosity	4.9 – 8.5 dl/g	6.5 dl/g
Loss on drying	$\leq 10.0\%$	7.3 %
Kinematic Viscosity		6,2 mm ² /s
Molecular weight	200 – 400 k Da	360 k Da
Heavy metals	≤ 20 ppm	conforms
Protein	$\leq 0.05\%$	0.03 %
Particle size	$\leq 15 \mu\text{m}$	x100 = 12,50 μm x50 = 4,92 μm
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



Particle size analysis
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