



Raya Hyaluron EP 3 pharma grade

INCI name:	Sodium hyaluronate
Chemical description:	D-Glucuronsäure-N-Acetyl-D-Glucosamin Polymer
Trade name:	Raya Hyaluron EP 3 pharma grade
Product category:	Medical grade Sodium Hyaluronate
Applications:	eye drops, eye lotions, contact lens solutions, medical lubricants, topical preparations (gel. film etc.) oral pharmaceutical preparations
Packaging:	in bags
Filling Quantity:	1 kg/bag Special packaging and smaller fillings quantity on request
Shelf life:	up to 18 months, not opened
Storage conditions:	dry and cool avoid direct sunlight and heat

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Kosmetik-Rohstoffe von Experten



Product Spezifikation

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Test	Spezifikation	Result (Batch 16012803)
Identification		
Infrared absorption	like Ph.Eur.reference	conforms
Characters	white or almost white powder or fibrous aggregate	conforms
Appearance of solution	solution is clear $A_{600\text{ mm}} \leq 0.01$	clear 0.00
Reaction of sodium	positive	conforms
Assay (on dried substance) Sodium hyaluronate	95.0 - 105.0 %	97.0 %
pH	5.0 - 8.5	5.9
Limiting viscosity	1.6 - 2.8 m ³ /kg	2.32 m ³ /kg
Loss on drying	$\leq 20.0 \%$	7.0 %
Molecular weight	10 - 50 k Da	45 k Da
Heavy Metals	≤ 20 ppm	≤ 20 ppm
Chlorides	$\leq 0.5 \%$	0.5 %
Iron	≤ 80 ppm	≤ 80 ppm
Bacterial endotoxins	≤ 0.5 IU/mg	≤ 0.5 IU/mg
TAMC (Total aerobic microbial count)	≤ 100 cfu/g	conforms