



Raya Hyaluron SHMW

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

Test	Specification	Batch 2019071213
Appearance	white or almost white powder or granule	complies
Identification		
Glucuronic acid	$\geq 46.0\%$	47.5 %
Assay Sodium hyaluronate	$\geq 95.0\%$	98.2 %
Appearance of solution	$A_{600\text{nm}} < 0,01$	complies
Nucleic acid	$A_{260\text{nm}} < 0,5$	complies
Ph	5.0 – 8.5	6.8
Molecular weight	1200 – 1800 k Da	1500 k Da
Loss on drying	$< 10.0\%$	6.4 %
Protein	$< 0,1\%$	0,04 %
Residue on ignition	$< 20,0\%$	16,6 %
Heavy metals	$< 20 \text{ ppm}$	$< 10 \text{ ppm}$
Arsenic	$< 2 \text{ ppm}$	complies
Microbiological Tests		
Bacteria counts	$< 100 \text{ cfu/g}$	complies
Yeast & Mold	$< 50 \text{ cfu/g}$	complies
Pseudomonas aeruginosa	negative/g	negative
Staphylococcus aureus	negative/g	negative
Hemolytic Streptococci	negative/g	negative
Hemolysin	negative	negative