



Raya Hyaluron oligomer

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

Test	Specification	Batch 20160704
Appearance	white or almost powder	white powder
Transparency	> = 99.0 %	99.8 %

Identification

FTIR	Consistent with the Ph.Eur.reference	conforms
Assay Sodium hyaluronate	> = 95.0 %	104.4 %
pH	6.0 – 8.0	6.3
Loss on drying	< = 10.0 %	7.3 %
Molecular weight	< 10,000 Da	6,276 Da
Heavy metals	< = 20 ppm	conforms
Arsenic	< = 3 ppm	conforms
Lead	< = 3 ppm	conforms
Protein	< = 0.1 %	0.005 %

Microbiological Tests

Total Plat Count	< = 100 cfu/g	conforms
Yeast & Mold	< = 50 cfu/g	conforms
E.Coli	negative	negative
Salmonella	negative	negative