

# Raya Hyaluron 2.3

<b>INCI name</b>	Sodium Hyaluronate
<b>Chemical description</b>	D-Glucuronsäure-N-Acetyl-D-Glucosamin Polymer
<b>Trade name</b>	Raya Hyaluron 2.3
<b>Application</b>	cosmetics
<b>Packaging</b>	bag
<b>Filling Quantity</b>	1 kg/bag 5 kg/bag special packaging and smaller fillings quantity on request
<b>Shelf life:</b>	up to 2 years, not opened
<b>Storage conditions</b>	dry and cool avoid direct sunlight and heat



# Product Specification

## Raya Hyaluron 2.3

Test	Specification	Batch A21051601
Appearance	white powder	conforms
Taste	characteristic	conforms
Aroma	none	conforms
Bulc density	> 0,2 g/cm <sup>3</sup>	0,37 g/cm <sup>3</sup>
Transparency (in 0,1 % aq. Sol.)	> 99 %	100 %
pH	6 ~ 7,5	6,3
Molecular weight	<b>2000 – 2400 k Da</b>	<b>2.380 k Da</b>
Kinematic viscosity	measured value	84,8 mm <sup>2</sup> /s
Particile size	> 60 mesh	conforms
Loss on drying	< 10 %	8,7 %
Chloride	< 0,5 %	conforms
Heavy metals (Pb)	< 20 ppm	< 20 ppm
As	< 2 ppm	< 2 ppm
Cd	< 2 ppm	< 2 ppm
Mercury	< 0,1 ppm	< 0,1 ppm
Lead	< 3 ppm	< 3 ppm
HA assay (on dry basis)	> 93 %	95,9 %
Glucuronic acid	> 45 %	46,4 %
Total bacterial count	< 100 cfu/g	< 100 cfu/g
Yeasts & mold	< 100 cfu/g	< 100 cfu/g
E.coli	negative	negative
S.aureus	negative	negative
Salmonella	negative	negative

