



## Raya Hyaluron 3500

<b>INCI name:</b>	<b>Sodium hyaluronate</b>
Chemical description:	D-Glucuronacid-N-Acetyl-D-Glucosamin Polymer
Trade name:	Raya Hyaluron 3500
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 3500

Test	Specification	Batch 20160704
<b>Appearance</b>	white powder	white powder
<b>Glucuronic Acid</b>	≥ 44 %	46.50 %
<b>Sodium Hyaluronate</b>	≥ 91 %	96.14 %
<b>Appearance of Solution</b>	A600nm ≤ 0.01	conforms
<b>Nucleic Acid</b>	A260nm ≤ 0.5	conforms
<b>pH</b>	5.0-8.5	6.40
<b>Molecular Weight</b>	<b>3000 - 5000 k Da</b>	<b>3500 k Da</b>
<b>Protein</b>	≤ 0.05 %	0.03 %
<b>Loss on drying</b>	≤ 10 %	6.5 %
<b>Residue on Ignition</b>	≤ 20 %	10.5 %
<b>Chlorides</b>	≤ 0.5 %	0.3 %
<b>Iron</b>	≤ 50 ppm	< 50 ppm
<b>Heavy metal</b>	≤ 10 ppm	< 10 ppm
<b>Arsenic</b>	≤ 2 ppm	< 2 ppm
<b>Bacteria Count</b>	≤ 100 CFU/g	< 100 CFU/g
<b>Molds &amp; Yeast</b>	≤ 10 CFU/g	< 10 CFU/g
<b>Staphylococcus aureus</b>	negative	negative
<b>Pseudomonas aeruginosa</b>	negative	negative
<b>Hemolysis</b>	negative	negative
<b>Viable Hemolytical Streptococci</b>	negative	negative
<b>Conclusion</b>	complied with EP 4.0	