



## Raya Hyaluron F 1000

**INCI name:**                    **Sodium hyaluronate**

Chemical description:        D-Glucuronsäure-N-Acetyl-D-Glucosamin Polymer

Trade name:                    Raya Hyaluron F 1000

Application:                    Nutrition supplement

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 Raya Hyaluron F 1000

Test	Specification	Batch A2017082902
<b>Appearance</b>	white powder	conforms
<b>Taste</b>	characteristic	conforms
<b>Aroma</b>	none	conforms
<b>pH</b>	6.0 – 7.5	6.2
<b>HA assay (on dry basis)</b>	> 93.0 %	97,3 %
<b>Glucuronic acid</b>	> 45.0 %	47.0 %
<b>Molecular weight</b>	<b>600 – 1200 k Da</b>	<b>1050 k Da</b>
<b>Kinematic viscosity</b>	measured value	29,3 mm <sup>2</sup> /s
<b>Transparency</b> (in 0,1 % aq. sol.)	> 99.0 %	99,8 %
<b>Particle size</b>	> 80 Mesh	conforms
<b>Bulk density</b>	> 0.2 g/cm <sup>3</sup>	0.38 g/cm <sup>3</sup>
<b>Purity test</b>		
· <b>Chloride</b>	< 0.5 %	conforms
· <b>Heavy metals (Pb)</b>	< 20 ppm	< 20 ppm
· <b>As</b>	< 2 ppm	< 2 ppm
· <b>Cd</b>	< 2 ppm	< 2 ppm
· <b>Mercury</b>	< 0.1 ppm	< 0.1 ppm
· <b>Lead</b>	< 3 ppm	< 3 ppm
<b>Loss on drying</b>	< 10.0 %	8.7 %
<b>Total bacterial count</b>	< 100 cfu/g	conforms
<b>Yeast &amp; mold</b>	< 100 cfu/g	conforms
<b>E-coli</b>	negative	negative
<b>S. aureus</b>	negative	negative
<b>Salmonella</b>	negative	negative