

Food Grade Hyaluronic Acid

Test Items	Specifications
Physical & Chemical Test:	
Appearance	White powder
Taste	Flavorless
Transparency (in 0.1%aq.sol.,)	≥ 99.0%
pH	6.0~7.5
Molecular weight	≥ 2.0×10^6
Particle Size	≥ 80Mesh
Stake Density	≥ 0.2g/cm ³
Purity test:	
Residue on ignition	≤ 20.0%
Nitrogen	3.0%~4.0%
Heavy metals(Pb)	≤ 10ppm
- As	≤ 1ppm
- Mercury	≤ 0.1ppm
- Lead	≤ 3ppm
- Ca	≤ 1ppm
- Iron(Fe)	≤ 10ppm
Loss on drying	≤ 10.0%
Chloride(Cl)	≤ 200ppm
Sulfate(SO ₄)	≤ 300ppm
Ammonium	≤ 200ppm
Protein	≤ 0.1%
HA Assay(on dry basis)	≥ 95.0%
Glucuronic Acid	≥ 45.0%
Microbiological purity:	
- Total bacterial count	<1000CFU/g
- Yeasts & mold	<100CFU/g
- E. coli	Negative
- S. aureus	Negative
- Salmonella	Negative

