



Hangzhou New Asia International Co., Ltd  
189 FengQi East Road, TSN Plaza 4-706  
Hangzhou, Zhejiang, 310020, P.R. China  
Tel: 86-571-85815391  
Fax: 86-571-85815449  
E-mail: sales@herbalsextract.com  
Website: www.herbalsextract.com

## CERTIFICATE OF ANALYSIS

### Sodium Hyaluronate Food Grade

Lot Number: HA-220101    Manufacture Date: 2022/01/15    Expiry Date: 2024/01/14

ITEMS	SPECIFICATION	METHOD	TEST RESULTS
<b>Physical&amp;Chemical Data</b>			
Color	White or similar white	Organoleptic	Conform
Odor	Characteristic	Organoleptic	Conform
Appearance	Fine Powder	Organoleptic	Conform
<b>Analytical Quality</b>			
Molecular weight	Measured Value		1.0*10 <sup>6</sup>
Assay	≥92.0%		96.5%
Protein	≤0.1%		0.05%
Sieve analysis	100 % through 80 mesh	Eur.Ph. <2.9.12>	Conform
Glycuronic Acid	≥44.5%		46.6%
Appearance of Solution (0.5% aq. sol., 25°C)	T <sub>600nm</sub> ≥99.0%		99.9%
PH	6.0-8.0	USP791	6.4
Loss on Drying	≤10.0%	Eur.Ph. <2.8.17>	6.8%
Residue on Ignition	≤13.0%	USP32	12.2%
<b>Contaminants</b>			
Lead (Pb)	≤1.0 mg/kg	Eur.Ph. <2.2.58>ICP-MS	Conform
Arsenic (As)	≤0.1mg/kg	Eur.Ph.<2.2.58>ICP-MS	Conform
Cadmium (Cd)	≤1.0 mg/kg	Eur.Ph.<2.2.58>ICP-MS	Conform
Mercury (Hg)	≤0.1 mg/kg	Eur.Ph.<2.2.58>ICP-MS	Conform
<b>Microbiological</b>			
Total Plate Count	≤1000cfu/g	Eur.Ph. <2.6.12>	Conform
Yeast & Mold	≤100cfu/g	Eur.Ph. <2.6.12>	Conform
E.coil	Negative	Eur.Ph. <2.6.13>	Conform
Salmonella	Negative	Eur.Ph. <2.6.13>	Conform
Staphylococcus aureus	Negative	USP34 <62>	Conform
<b>General Status</b>			
<b>Packing&amp;Storage</b>	Packed in drum and plastic-bag inside. N.W:20kgs. Store in a well-closed container Away from moisture, light, oxygen.		
<b>Shelf life</b>	24months under the conditions above and in its original packaging.		
<b>Remarks</b>	Non-Irradiated, Non-GMO, Non-Allergen		

Analytical Laboratory Manager:

Date: 2022.01.22



王海