

Certificate of Analysis

Product Name	Hyaluronic Acid	Quantity	500 kg
Batch No.	TMZS20210514	Package	25kg/Drum
Test Date	20210520	Expiry Date	20230513

Items	Standards	Results
Appearance	White or off-white color powder or granule	White powder
Glucuronic Acid	≥ 44.5%	47.7%
Sodium Hyaluronate	≥ 92%	98.7%
Appearance of Solution(0.5% aq.sol.,25°C)	T _{550nm} ≥ 99%	99.9%
Absorbance (0.5% aq.sol.,25°C)	A _{280nm} ≤ 0.25	0.16
PH(0.5% aq.sol.,25°C)	5.0-8.5	6.5
Molecular Weight	Measured value	1.00*10 ⁶ Da
Intrinsic viscosity	Measured value	17.2dL/g
Kinematic viscosity	Measured value	37.8mm ² /s
Protein	≤0.1%	0.03%
Loss on drying	≤10%	5.60%
Heavy metal (as Pb)	≤20mg/kg	<10mg/kg
Arsenic	≤2mg/kg	<2mg/kg
Bacteria Count	≤100CFU/G	<10CFU/G
Molds & Yeast	≤50CFU/g	<10CFU/G
Staphylococcus aureus	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative

Storage: Store in a cool, dry place away from Moisture, Light, Oxygen.
 Shelf life : 24 months under the conditions below, no antioxidant used

QC : Guo Shan

QA: Feng Li

