Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

COA NO.:2205337

Product:	SODIUM HYALURONATE		
Specification:	Cusmetic Grade	Report Date	2022/05/27
Batch No.:	JL2205337	Quantity:	100KG
Net Weight:	20KG/DRUM	Gross weight:	22.5KG/DRUM
Manufacturing Date:	2022/05/10	Expiry Date:	2024/05/19

ITEMS	SPECIFICATIONS (TEST METHOD)	RESULT
Appearance	White or similar white powder	Conforms
Molecular weight	measured value	$1.0*10^6$
Assay of sodium hyaluronate	≥92.0%	96.2%
Loss on drying	≤10.0%	6.9%
Glycuronic Acid	≥44.5%	46.4%
Transmittance (0.1% solution)	T_{600nm}≥99.0%	99.8%
PH (0.1%H2O solution)	6.0-8.0(USP791)	6.5
Intrinsic viscosity	measured value	17.27dL/g
Bulk density	measured value	0.18g/cm3
The tap density	measured value	0.31g/cm3
Protein	≤0.10%	0.06%
Residue on ignition	≤20.0%	12.1%
Heavy metal (as Pb)	≤10mg/kg	<10mg/kg
Arsenic	≤2mg/kg	<2mg/kg
Bacteria counts	≤100cfu/g	Complies
Molds & Yeasts	≤50cfu/g	Complies
Staphylococcus aureus	Negative	Negative
Escherichia coli	Negative	Negative
Salmonella	Negative	Negative
Particle Size	98% through 80 mesh	Complies

Analyst: *Wen Qian*
Quality Assurance Officer: *Zhan Peng*