

HaoSail

QINGDAO HAOSAIL SCIENCE CO.,LTD

B3, 17# Songyuan Road, Qingdao High-Tech Zone, 266109, China

Tel: +86-532-55679909 Fax: +86-532-5579905

CERTIFICATE OF ANALYSIS

| | |
|-------------------|--------------------|
| Product Name | Hyaluronic acid LW |
| Batch Number | 23032701 |
| Lot Quantity | 25KG |
| MFG.DATE | Mar.27.2023 |
| RE-TEST DATE | Mar.26.2026 |
| Country of Origin | China |

| Items of Analysis | Specification | Results |
|------------------------|---|-----------------------|
| Apparance | White or almost white powder or granule | Conform |
| Glucuronic acid | $\geq 44.5\%$ | 47.1% |
| Sodium Hyaluronate | $\geq 92.0\%$ | 97.4% |
| PH | 5.0~8.5 | 6.9 |
| Transparency | $\geq 99.0\%$ | 99.90% |
| Molecular weight,Da | As per request | 560KDa |
| Intrinsic Viscosity | Measured value | 10.0dL/g |
| Protein | $\leq 0.10\%$ | 0.04% |
| Bulk | Measured value | 0.30g/cm ³ |
| Tap | Measured value | 0.47g/cm ³ |
| Residue on ignition | $\leq 20.0\%$ | 12.60% |
| Loss on drying | $\leq 10.0\%$ | 7.70% |
| Heavy metals (Pb) | $\leq 20\text{ppm}$ | $< 10\text{ppm}$ |
| Bacteria count | $\leq 100\text{cfu/g}$ | Conform |
| Mold and yeast | $\leq 50\text{cfu/g}$ | Conform |
| Pseudomonas aeruginosa | Negative | Negative |

Conclusion

This batch of product conforms to the Specification.

Storage

Store in cool, dry place and away from strong light and heat

PH.000.100 | 305824 pta.3 TAA.

Ref.

PT-25147-777 pda 316647