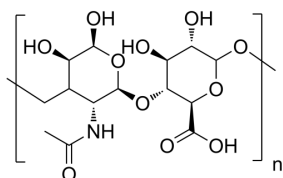


Certificate of Analysis

Product Name: Hyaluronic acid
Cat. No.: CS-6238
CAS No.: 9004-61-9
Batch No.: 23607
Chemical Name: Hyaluronic acid

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{16}H_{27}NO_{11}$
Molecular Weight: 379.32 (monomer)
Storage: 2-8°C, protect from light
Chemical Structure:



ANALYTICAL DATA

Appearance: White to off-white (Solid)
 1H NMR Spectrum: Consistent with structure
Transparency (0.1% solution): 99.90%
Glucuronic acid: 46.6%
Protein: 0.02%
pH: 6.29
Dynamite viscosity: 24.4 mm²/s
Loss on drying: 7.10%
Strong heat residue: 11.9%
Heavy metals: ≤10 ppm
Bacterial counts: 20 cfu/g
Molecular weight: 9.04X10⁵ Da
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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