CERTIFICATE OF ANALYSIS

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1. Identification

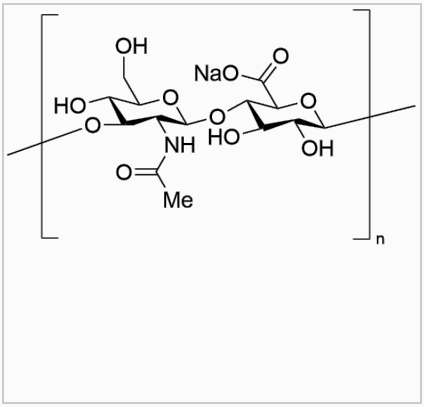
Catalogue Number: S634800

CAS Number: 9067-32-7

Synonym: Arthrease; Artz; Artz Dispo; Artzal; Bio Hyaluro 12; Bio Sodium Hyaluronate HA 20; Chlamyhyaluronic acid sodium salt; Cystistat; Euflexxa; FCH 121-S; FCH 150; FCH 200; FCH 248; FCH 60; FCH 80; FCH 80LE; FCH-SU; Fermatron; HA-F; HA-Q; HA-Q 1; HA-QA; HE-QSE; Healon; Healon (polysaccharide); Healon GV; Healon V; Hyalart; Hyalein; Hyalein Mini; Hyalgan; Hyaluronsan HA-LQ; Hyaluronsan HA-LQ1; Hyaluronsan HA-LQH; Hyaluronsan HA-Q; Hyaluronsan HA-QSS; Hyaluronsan M 5070; Hyasol; Hyasol BT; Hyladerm; Hy

Product: Sodium Hyaluronate

Structure:



Molecular Formula:

$(C_{14}H_{20}NNaO_{11})n$

Molecular weight:

(401.30)n

Source of Product:

N/A

Solubility:

Aqueous Acid (Very Slightly), Aqueous Base (Slightly), Water (Slightly)

Lot Number: 17-SBL-158-1

Purity: N/A

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: **Warning 2:** **Warning 3:**

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 36.77, %H: 5.69, %N: 3.22
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Sodium Content	Report Result	5.10% by Ion Chromatography
Water Content	Report Result	9.5% by Karl Fischer

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	7/16/2021	7/14/2025