



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

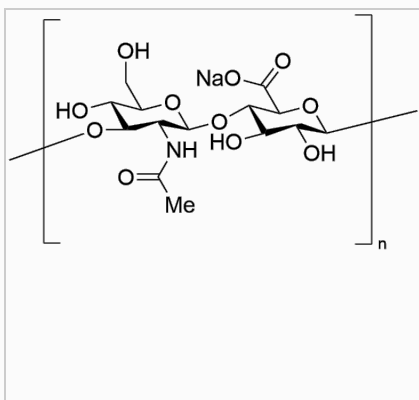
Catalogue Number: S634800

CAS Number: 9067-32-7

Synonym: Arthrase; 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: 12-QIU-80-1

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:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 37.62, %H: 5.43, %N: 3.36
FT-IR	Conforms to Structure	Conforms
Water Content	Report Result	8.9% by Karl Fischer
Sodium Content	Report Result	4.88% by Ion Chromatography

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 $\pm 2\%$. 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
Henry Tieu	Toni Rantanen	Chanell Chu	9/29/2021	9/27/2025
				