

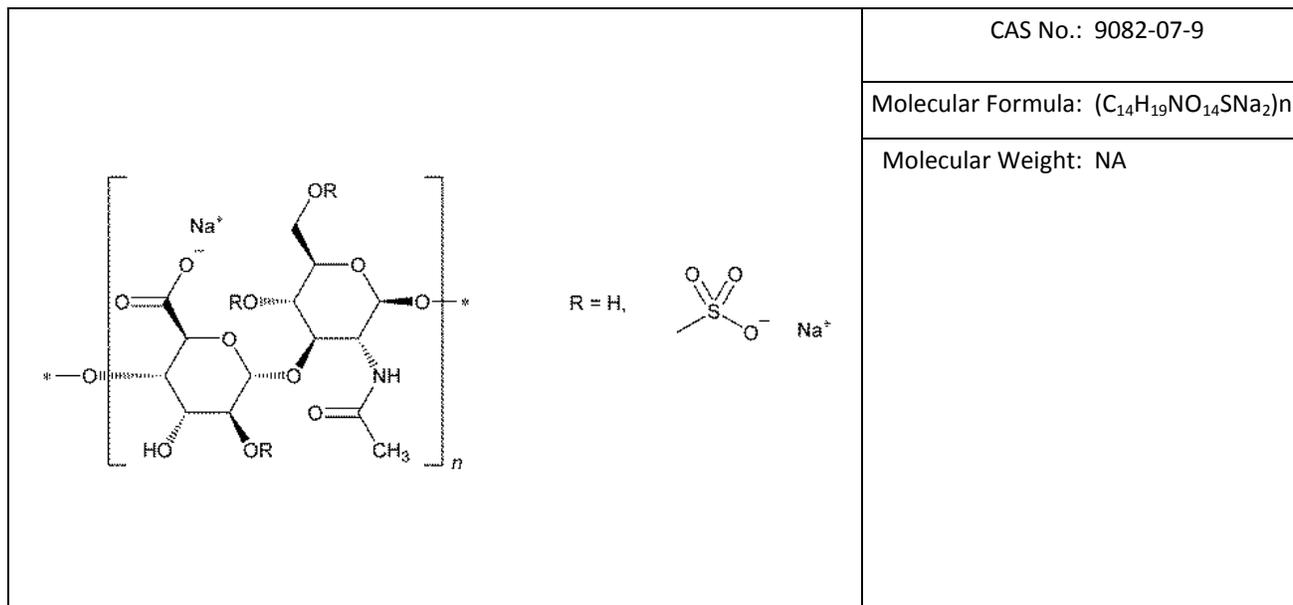
# Certificate

## CHONDROITIN SULFATE SODIUM, SHARK

(Sodium salt of the sulfate ester of *N*-acetylchondrosamine (2-acetamido-2-deoxy-beta-D-galactopyranose) and *D*-glucuronic acid copolymer)

USP Catalog No.: 1133569

USP Lot No.: F037Q0



**LABEL TEXT**

For use with specified USP compendial tests.  
Not for use as a drug. See SDS prior to use at  
www.usp.org/sds.



Lot: F03700

**USP REFERENCE STANDARD**

**CHONDROITIN SULFATE SODIUM, SHARK 300 mg**

Warning! Causes eye irritation.

Dry portion at 105° for 4 hours before using. For quantitative applications, use a value of 0.965 mg of chondroitin sulfate sodium, shark per mg of dried material. Keep container tightly closed. Material is hygroscopic. Store in a desiccator after opening.

Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1133569 Material mfd. in China

*Jeri L. Joth*

*Quality Assurance*

**Calculation Value**

If a value is not provided on the label or accompanying documentation and the Reference Standard has a quantitative USP compendial application, a value of 100.0% is used. The purity value is not applicable for qualitative uses. Please refer to the specific Reference Standard label for further information.

**Expiration**

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at [www.usp.org](http://www.usp.org).

**Instructions for Use**

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

**Non-Monograph Use**

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

**LEGAL NOTICE**

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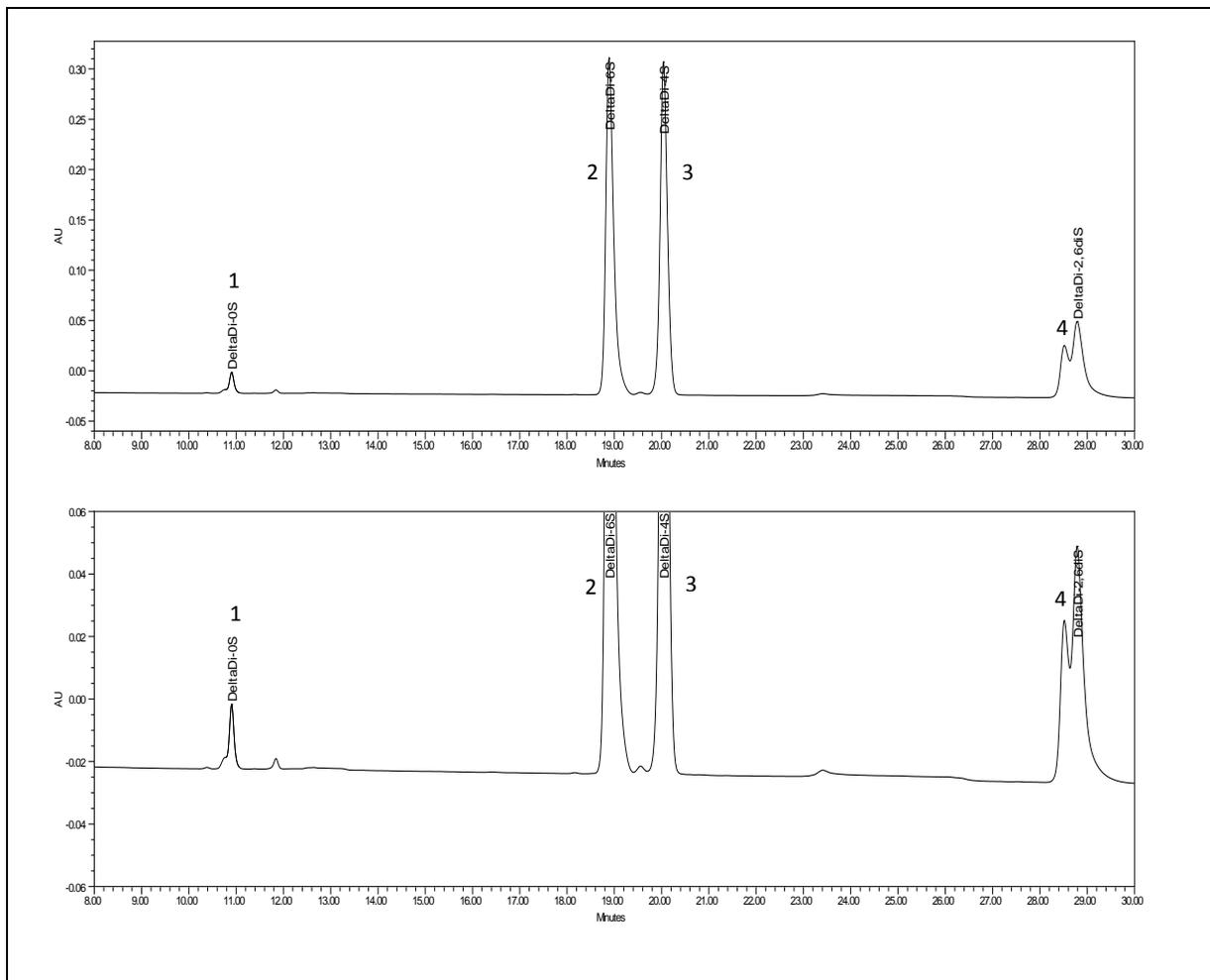
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# Typical Chromatogram

## USP CHONDROITIN SULFATE SODIUM, SHARK RS

<b>Catalog Number:</b> 1133569
<b>Lot:</b> F037Q0
<b>Monograph:</b> Chondroitin Sulfate Sodium, Shark
<b>Publication:</b> PF 38(6)
<b>Test:</b> Disaccharide Composition (Chromatographic Purity)
<b>Sample:</b> Standard Solution



1)  $\Delta$ Di - OS; 2)  $\Delta$ Di - 6S; 3)  $\Delta$ Di - 4S; 4)  $\Delta$ Di - 2,6 diS

This chromatogram is supplied for information only, unless otherwise specified in an applicable monograph or general chapter.

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