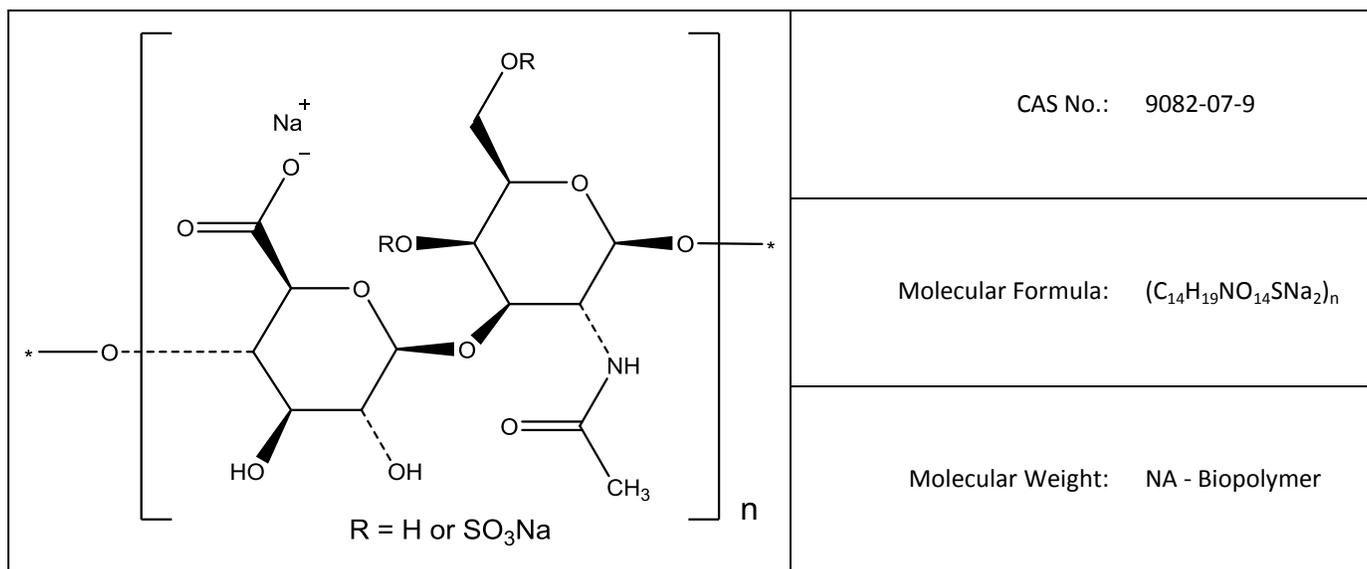


Certificate

CHONDROITIN SULFATE SODIUM

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

USP Catalog No.:	1133570
USP Lot No.:	R039A0



LABEL TEXT

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 REFERENCE STANDARD
CHONDROITIN SULFATE SODIUM 300 mg

Warning! Causes eye irritation.

Dry portion at 105° for 4 hours before using. For quantitative applications, use a value of 0.998 mg of chondroitin sulfate sodium per mg of dried material. This material is highly hygroscopic. Keep container tightly closed. Store in a desiccator after opening.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
CAT No. 1133570 Material mfd. in Spain

For use with specified USP compendial tests.
Not for use as a drug. See SDS prior to use at
www.usp.org/sds.
Lot: R039A0

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.

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

USP WARRANTS GOOD TITLE TO USP REFERENCE STANDARDS ON DISPATCH FROM USP. THE FOREGOING WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY THAT THE PRODUCTS, INCLUDING THIS CERTIFICATE, ARE OF MERCHANTABILITY QUALITY. USP'S LIABILITY ARISING OUT OF OR RELATING TO THE SUPPLY OF USP REFERENCE STANDARDS AND THIS CERTIFICATE SHALL IN NO EVENT INCLUDE LOSS OF PROFITS, COST OF PROCURING SUBSTITUTE GOODS OR SERVICES, OR ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES OF ANY KIND, EVEN IF USP IS AWARE OF THE POSSIBILITY OF SUCH DAMAGES. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, USP DOES NOT WARRANT THAT THE USE OR RESALE OF USP REFERENCE STANDARDS, INCLUDING THEIR USE TO PERFORM TESTS AND ASSAYS PUBLISHED BY USP, WILL NOT INFRINGE UNITED STATES OR ANY OTHER PATENTS.

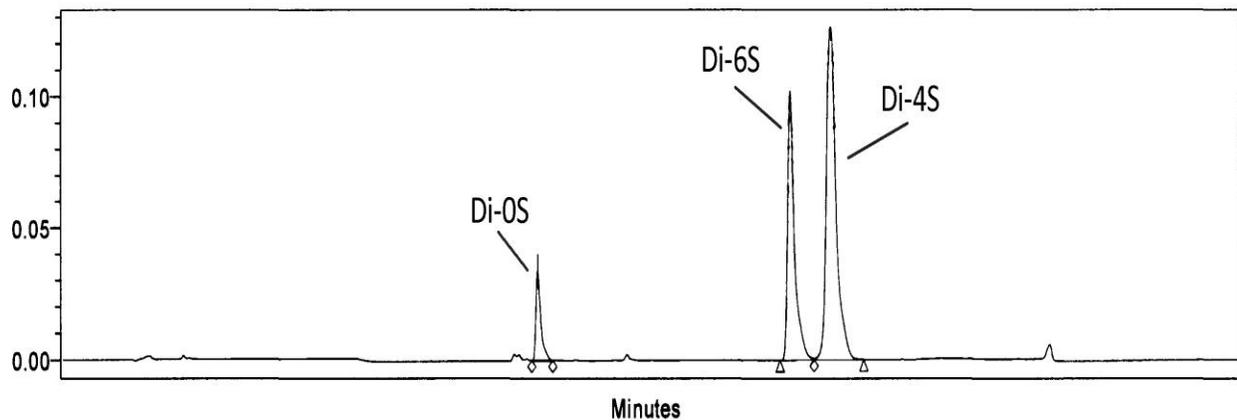
USP Reference Standards are not intended for use as drugs, dietary supplements, or as medical devices.

This certificate may not be reproduced without the express written permission of USP.

Typical Chromatogram

USP Chondroitin Sulfate Sodium RS

Catalog Number:	1133570
Lot:	R039A0
Monograph:	Chondroitin Sulfate Sodium
Publication:	USP38/NF33
Tests:	IDENTIFICATION C - Disaccharide Composition; Limit of Nonspecific Disaccharides
Sample:	As described in monograph.



Di-OS is Δ Di-OS

Di-6S is Δ Di-6S

Di-4S is Δ Di-4S

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