

Certificate

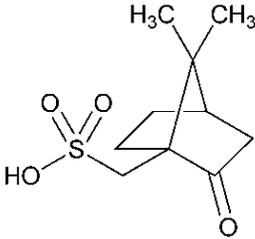
D-CAMPHOR SULFONIC ACID

([(1S,4R)-7,7-Dimethyl-2-oxobicyclo[2.2.1]heptan-1-yl)methanesulfonic acid)

USP Catalog No.: 1087520

USP Lot No.: F009A0

Only compendial components as listed in the monograph are shown below

 <p>The image shows the chemical structure of D-Camphor sulfonic acid. It consists of a bicyclic camphor core (bicyclo[2.2.1]heptan-2-one) with two methyl groups (H₃C and CH₃) at the 7-position and a methanesulfonic acid group (-SO₃H) at the 1-position.</p>	CAS No. 3144-16-9
	Molecular Formula C ₁₀ H ₁₆ O ₄ S
	Molecular Weight 232.30

LABEL TEXT



USP REFERENCE STANDARD
D-CAMPHOR SULFONIC ACID 100 mg



Danger! Causes severe skin burns and eye damage.
Causes serious eye damage.

Do not dry. For quantitative applications, determine the water content
titrimetrically at the time of use and use a value of 1.00 mg of D-camphor sulfonic
acid per mg of material on the anhydrous basis. Keep container tightly closed.
Protect from light.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666
CAT No.1087520 Material mfd. in Switzerland

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

Wash thoroughly after handling. Wear protective
gloves/protective clothing/eye protection/face protection. If
exposed: Immediately call a poison center/doctor. If swallowed:
Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take
off immediately all contaminated clothing. Rinse skin with
water/shower. If inhaled: Remove person to fresh air and keep
comfortable for breathing. If in eyes: Rinse cautiously with water
for several minutes. Remove contact lenses, if present and easy
to do. Continue rinsing. Store locked up. Dispose of
contents/container in accordance with
local/regional/national/international regulations.

Jeri L. Joth

Quality Assurance

Calculation Value

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in the compendial applications for which the use of this Reference Standard is intended. 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.

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