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Salicylic Acid Collodion

DEFINITION

Salicylic Acid Collodion contains NLT 9.5% and NMT 11.5% of salicylic acid ($C_7H_6O_3$).

Salicylic Acid Collodion is prepared as follows.

Salicylic Acid	100 g
Flexible Collodion, a sufficient quantity to make	1000 mL

Dissolve the *Salicylic Acid* in about 750 mL of *Flexible Collodion*. Add a sufficient quantity of the *Flexible Collodion* to bring the preparation to final volume, and mix.

ASSAY

- **PROCEDURE**

Sample: 5 mL

Solution A: Ether and alcohol (3:1) neutralized to bromothymol blue TS

Titrimetric system

Mode: Direct titration

Titrant: 0.1 N sodium hydroxide VS

Endpoint detection: Visual

Analysis: Transfer the *Sample* to a 400-mL beaker, rinse the measuring device with three 10-mL portions of *Solution A*, and add the rinsings to the beaker. Add, with stirring, 5 mL of 100 mg/mL sodium lauryl sulfate solution that was previously neutralized with 0.1 N hydrochloric acid to the distinct yellow color of bromothymol blue TS, and add 20 mL of water. Mix, add 5 drops of bromothymol blue TS, and titrate with the *Titrant*. Each mL of *Titrant* is equivalent to 13.81 mg of salicylic acid ($C_7H_6O_3$).

Acceptance criteria: 9.5%–11.5%

ADDITIONAL REQUIREMENTS

- **PACKAGING AND STORAGE:** Package in tight containers. Store at controlled room temperature, remote from fire.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
SALICYLIC ACID COLLODION	Brian Serumaga Science Program Manager	CMP2020 Compounding 2020
REFERENCE STANDARD SUPPORT	RS Technical Services RSTECH@usp.org	CMP2020 Compounding 2020

Chromatographic Database Information: [Chromatographic Database](#)

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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