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## Salicylic Acid Gel

» Salicylic Acid Gel is Salicylic Acid in a suitable viscous hydrophilic vehicle. It contains not less than 90.0 percent and not more than 110.0 percent of the labeled amount of  $C_7H_6O_3$ . It may contain alcohol.

**Packaging and storage**—Preserve in collapsible tubes or in tight containers, preferably at controlled room temperature.

**Identification**—Filter 5 mL of the solution obtained by titration in the Assay. Add 1 mL of ferric chloride TS to the filtrate: a violet color is produced. Add 1 mL of 6 N acetic acid: the violet color does not change. Add 1 mL of 6 N hydrochloric acid: the violet color is discharged. A small amount of white precipitate may appear.

**Alcohol Determination (611)** (if present): from 90.0% to 110.0% of the labeled amount of  $C_2H_5OH$ .

**Assay**—To 25 mL of diluted alcohol add 1 drop of phenolphthalein TS and sufficient 0.1 N sodium hydroxide to produce a faint pink color. Add 5.0 g of Gel, accurately weighed, and stir. Titrate the dispersion with 0.1 N sodium hydroxide VS until a pink color is produced. [NOTE—Reserve this solution for the *Identification* test.] Each mL of 0.1 N sodium hydroxide is equivalent to 13.81 mg of  $C_7H_6O_3$ .

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

Topic/Question	Contact	Expert Committee
SALICYLIC ACID GEL	<a href="#">Documentary Standards Support</a>	SM32020 Small Molecules 3
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	SM32020 Small Molecules 3

**Chromatographic Database Information:** [Chromatographic Database](#)

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