

Formulation Record

Preparation Name: _____ Jessner's Solution (Combes Peel)
Strength: _____ Resorcinol, Salicylic Acid, Lactic Acid, each 14%
Dosage Form: _____ Solution
Route of Administration: _____ Topical

Date of Last Review or Revision: _____ 06/06/2025
Person Completing Last Review or Revision _____ Robert Shrewsbury

Formula:

Ingredient	Quantity	Physical Description	Solubility	Therapeutic Activity
Salicylic Acid USP	14 g	white, fine, needlelike crystals or a white, crystalline powder	1 g/460 mL water; 1 g/2.7 mL alcohol, 1 g/3 mL ether	Keratolytic agent, analgesic
Lactic Acid, 88%	14 mL	Clear to yellow liquid viscous liquid, 88% w/w, sp. gr. = 1.2	Miscible with water, alcohol, or ether	Keratolytic agent, skin hydration
Resorcinol USP	14 g	white, needlelike crystals that become pink on exposure to air and light	1 g/0.9 mL water, 1 g/0.9 mL alcohol	Keratolytic, anti-seborrheic
Alcohol USP	qs 100 mL	Clear, colorless, nonviscous, volatile liquid	Miscible with water and glycerin, Sp. Gr. = 0.815	Solvent

Example Calculations:

Equipment Required:

- Class A prescription balance
- Amber glass bottle

Method of Preparation:

1. Calibrate a glass bottle with alcohol. Discard the alcohol and turn bottle on mouth to drain dry.
2. Weigh the salicylic acid and resorcinol.
3. Dissolve the resorcinol and salicylic acid in a portion of the alcohol in the glass bottle. Affect solution.
4. Add lactic acid. Shake gently.
5. Allow the contents to settle, and qs with alcohol to the calibration mark.
6. Mix well.

Description of Finished Product:

Clear, colorless, non-viscous liquid with no discernable odor

Quality Control Procedures:

product weight
no visible particles

Analysis:

Take 0.4 mL of your preparation, place in scintillation vial, and add 20 mL distilled water. Shake well.
With a second syringe, withdraw 0.25 mL from the first diluted sample, place in a scintillation vial, and add 10 mL of distilled water. Shake well.

Affix a small dot label to each scintillation vial that has your lab number, and the letter A if the vial is the first dilution, or B if it is the second dilution sample.

Packaging Container:

Airtight, light resistant containers such as a 1 oz. amber boston-round glass bottle or a 1 oz. dropper bottle with glass applicator.

Storage Requirements:

Can be stored at room temperature

Beyond-Use Date Assignment:

No stability information available. Use USP Guidelines for nonaqueous solutions:
Active ingredient is not from a manufactured product but is a USP/NF substance. 180 days

Label Information:

External Use Only
Caution: To be used only by dermatologists
Keep Tightly Closed

Source of Recipe:

Allen's Compounded Formulations, APhA Publications, Washington DC, 2003, pp. 134-136

Literature Information:

No additional information

