

Formulation Record

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: 09/26/06

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, antiseborrheic
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 the 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

Packaging Container:

Air tight, light resistant container 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:

6 months beyond use date.

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