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Benzyl Benzoate Lotion

DEFINITION

Benzyl Benzoate Lotion contains NLT 26.0% and NMT 30.0% (w/w) of benzyl benzoate (C₁₄H₁₂O₂).

Benzyl Benzoate	250 mL
Triethanolamine	5 g
Oleic Acid	20 g
Purified Water	750 mL
To make about	1000 mL

Mix the *Triethanolamine* with the *Oleic Acid*, add the *Benzyl Benzoate*, and mix. Transfer the mixture to a suitable container of 2000-mL capacity, add 250 mL of *Purified Water*, and shake the mixture thoroughly. Add the remaining *Purified Water*, and again shake thoroughly.

ASSAY

• **PROCEDURE**

Sample: 5 g of Lotion, accurately weighed, in a conical flask

Titrimetric system

(See [Titrimetry \(541\)](#).)

Mode: Residual titration

Titrant: 0.1 N sodium hydroxide VS

Back-titrant: 0.5 N hydrochloric acid VS

Endpoint detection: Visual

Analysis: To the *Sample* add 25 mL of alcohol and 2 drops of phenolphthalein TS. Cool the solution to 15°, and titrate quickly with *Titrant* to a slight pink color. Add 50.0 mL of 0.5 N alcoholic potassium hydroxide VS, connect the flask to a reflux condenser, and boil gently for 1 h. Cool. Promptly add phenolphthalein TS and titrate with *Back-titrant*. Perform a blank determination. Each mL of 0.5 N alcoholic potassium hydroxide is equivalent to 106.1 mg of benzyl benzoate (C₁₄H₁₂O₂).

Acceptance criteria: 26.0%–30.0% (w/w)

SPECIFIC TESTS

• **pH (791):** 8.5–9.2

ADDITIONAL REQUIREMENTS

• **PACKAGING AND STORAGE:** Package in tight containers.

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

Topic/Question	Contact	Expert Committee
BENZYL BENZOATE LOTION	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:

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