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Camphor Spirit

DEFINITION

Camphor Spirit is an alcohol solution containing NLT 9.0 g and NMT 11.0 g of camphor (C₁₀H₁₆O) in each 100 mL.

Prepare Camphor Spirit as follows.

Camphor	100 g
Alcohol, a sufficient quantity to make	1000 mL

Dissolve the *Camphor* in 800 mL of the *Alcohol*, and add sufficient *Alcohol* to bring to final volume. Filter, if necessary.

ASSAY

• **PROCEDURE**

Sample: 2.0 mL

Analysis: Transfer the *Sample* to a suitable pressure bottle containing 50 mL of freshly prepared dinitrophenylhydrazine TS. Close the pressure bottle, immerse it in a water bath, and maintain at about 75° for 16 h. Cool to room temperature, and transfer the contents to a beaker with the aid of 100 mL of 3 N sulfuric acid. Allow to stand at room temperature for NLT 12 h, transfer the precipitate to a tared filter crucible, and wash with 100 mL of 3 N sulfuric acid followed by 75 mL of cold water in divided portions. Continue the suction until the excess water is removed, dry the crucible and precipitate at 80° for 2 h, cool, and weigh. The weight of the precipitate so obtained, multiplied by 0.4581, represents the weight of camphor (C₁₀H₁₆O) in the portion taken.

Acceptance criteria: 9.0–11.0 g of camphor in 100 mL

OTHER COMPONENTS

• [ALCOHOL DETERMINATION, Method II\(611\)](#)

Test stock preparation: Dilute the *Spirit* with methanol to obtain a solution containing approximately 2% (v/v) of alcohol.

Acceptance criteria: 80.0%–87.0% of alcohol (C₂H₅OH)

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
CAMPBOR SPIRIT	Brian Serumaga Science Program Manager	CMP2020 Compounding 2020

Chromatographic Database Information: [Chromatographic Database](#)

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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