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## Benzphetamine Hydrochloride,

$C_{17}H_{21}N \cdot HCl$  275.82 CAS RN<sup>®</sup>: 5411-22-3.—White to off-white, crystalline powder. Freely soluble in water, in alcohol, and in chloroform; slightly soluble in ether.

**Assay:** Dissolve about 500 mg, accurately weighed, in a mixture of 50 mL of glacial acetic acid and 10 mL of mercuric acetate TS, add 1 drop of crystal violet TS, and titrate with 0.1 N perchloric acid VS to a blue-green endpoint. Perform a blank determination, and make any necessary correction. Each mL of 0.1 N perchloric acid is equivalent to 27.58 mg of  $C_{17}H_{21}N \cdot HCl$ . Between 98.0% and 101.0%, calculated on the dried basis, is found.

**MELTING RANGE (741):** between 152° and 158°.

**SPECIFIC ROTATION (781):** between +22° and +26°, determined in a solution containing 200 mg in 10 mL, the specimen having been previously dried in vacuum at 60° for 3 hours.

**LOSS ON DRYING (731):** Dry it in vacuum at 60° for 3 hours: it loses not more than 1% of its weight.

**RESIDUE ON IGNITION (281):** not more than 0.2%.

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

Topic/Question	Contact	Expert Committee
BENZPHETAMINE HYDROCHLORIDE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. Information currently unavailable

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