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Aprobarbital,

$C_{10}H_{14}N_2O_3$ 210.23 CAS RN®: 77-02-1.—Fine, white crystalline powder. Slightly soluble in cold water; soluble in alcohol, in chloroform, and in ether.

Assay: Dissolve about 200 mg, previously dried at 105° for 2 hours and accurately weighed, in 20 mL of dimethylformamide in a 100-mL conical flask. Add 4 drops of thymol blue solution (1 in 200 in methanol), and titrate with 0.1 N lithium methoxide VS using a 10-mL buret, a magnetic stirrer, and a cover for the flask to protect against atmospheric carbon dioxide. Perform a blank determination, and make any necessary correction. Each mL of 0.1 N lithium methoxide is equivalent to 21.02 mg of $C_{10}H_{14}N_2O_3$. Between 98.5% and 101.0% of $C_{10}H_{14}N_2O_3$ is found.

Melting Range (741)**:** between 140° and 143°.

Auxiliary Information - Please check for your question in the FAQs before contacting USP.

Topic/Question	Contact	Expert Committee
APROBARBITAL	Documentary Standards Support Associate Scientific Liaison.	HDQ Headquarters

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