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## Polyethylene Glycol 20,000

CAS RN<sup>®</sup>: 25322-68-3.—Molecular weight range: 15,000–20,000. Hard, white, waxy solid, usually supplied in flake form. Soluble in water with subsequent gel formation.

**VISCOSITY—CAPILLARY METHODS (911), Viscosity of 25% solution:** Add 50.0 g of test specimen to a 250-mL wide-mouth, screw-cap jar containing 150.0 g of water. Attach the cap securely to the jar, and roll on a mechanical roller until the test specimen is completely dissolved, in 2 to 4 hours. Allow the solution to stand until all air bubbles have disappeared. Another 2 to 4 hours may be required. Adjust the temperature of the solution to  $37.8 \pm 0.1^\circ$ , and determine the kinematic viscosity on a suitable viscometer of the Ubbelohde type. The viscosity is not less than 100 centistokes.

**pH (791):** between 6.5 and 8.0 in a solution (1 in 20).

[NOTE—A five-fold dilution of the test solution prepared for the *Viscosity of 25% Solution* test may be used.]

**RESIDUE ON IGNITION (281):** not more than 0.7%, the use of sulfuric acid being omitted.

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

Topic/Question	Contact	Expert Committee
POLYETHYLENE GLYCOL 20,000	<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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