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## Pilocarpine Nitrate Ophthalmic Solution

» Pilocarpine Nitrate Ophthalmic Solution is a sterile, buffered, aqueous solution of Pilocarpine Nitrate. It contains not less than 90.0 percent and not more than 110.0 percent of the labeled amount of  $C_{11}H_{16}N_2O_2 \cdot HNO_3$ . It may contain suitable antimicrobial agents and stabilizers, and suitable additives to increase its viscosity.

**Packaging and storage**—Preserve in tight, light-resistant containers.

**USP REFERENCE STANDARDS (11)**—

[USP Pilocarpine Nitrate RS](#)

**Identification**—

**A:** The retention time of the major peak in the chromatogram of the *Assay preparation* corresponds to that in the chromatogram of the *Standard preparation* obtained as directed in the *Assay*.

**B:** It responds to *Identification test B* under [Pilocarpine Nitrate](#).

**STERILITY TESTS (71)** : meets the requirements.

**pH (791)**: between 4.0 and 5.5.

**Assay**—Proceed with Ophthalmic Solution as directed in the *Assay* under [Pilocarpine Hydrochloride Ophthalmic Solution](#), except to read pilocarpine nitrate instead of pilocarpine hydrochloride throughout and to calculate the quantity, in mg, of  $C_{11}H_{16}N_2O_2 \cdot HNO_3$  in each mL of the Ophthalmic Solution taken by the formula given therein.

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

Topic/Question	Contact	Expert Committee
PILOCARPINE NITRATE OPHTHALMIC SOLUTION	<a href="#">Documentary Standards Support</a>	SM32020 Small Molecules 3
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	SM32020 Small Molecules 3

**Chromatographic Database Information:** [Chromatographic Database](#)

**Most Recently Appeared In:**

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