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# Isosorbide Oral Solution

» Isosorbide Oral Solution contains not less than 90.0 percent and not more than 110.0 percent of the labeled amount of isosorbide ( $C_6H_{10}O_4$ ).

**Packaging and storage**—Preserve in tight containers.

**USP REFERENCE STANDARDS** (11)—

[USP Isosorbide RS](#)

**Identification**—The retention time of the major peak in the chromatogram of the Assay *preparation* corresponds to that in the chromatograms of the *Standard preparations*, as obtained in the Assay.

**UNIFORMITY OF DOSAGE UNITS** (905)—

FOR ORAL SOLUTION PACKAGED IN SINGLE-UNIT CONTAINERS: meets the requirements.

**DELIVERABLE VOLUME** (698)—

FOR ORAL SOLUTION PACKAGED IN MULTIPLE-UNIT CONTAINERS: meets the requirements.

**pH** (791): between 3.2 and 3.8.

**Assay**—

*Internal standard solution, Standard solution, Standard preparations, Chromatographic system, and System suitability and standard curve*—  
Proceed as directed in the Assay under [Isosorbide Concentrate](#).

*Assay preparation*—Transfer an accurately measured volume of Oral Solution, equivalent to about 450 mg of isosorbide, to a 250-mL volumetric flask, add 25.0 mL of *Internal standard solution*, then add water to volume, and mix.

*Procedure*—Proceed as directed for *Procedure* in the Assay under [Isosorbide Concentrate](#). Calculate the quantity, in mg, of isosorbide ( $C_6H_{10}O_4$ ) in each mL of the Oral Solution taken by the formula:

$$250(C/V)$$

in which C is the concentration, in mg per mL, of isosorbide in the Assay *preparation* found by reference to the *Standard curve*; and V is the volume, in mL, of Oral Solution taken.

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

Topic/Question	Contact	Expert Committee
ISOSORBIDE ORAL SOLUTION	<a href="#">Documentary Standards Support</a>	SM22020 Small Molecules 2
REFERENCE STANDARD SUPPORT	RS Technical Services <a href="mailto:RSTECH@usp.org">RSTECH@usp.org</a>	SM22020 Small Molecules 2

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

**Most Recently Appeared In:**

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