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## D-Gluconic Acid, 50 Percent in Water,

$C_6H_{12}O_7$  196.16 CAS RN<sup>®</sup>: 526-95-4.—Pale yellow liquid.

• **Assay:** Dilute about 200 mg of the solution, accurately weighed, with 30 mL of water. Titrate with 0.1 N sodium hydroxide VS, determining the endpoint potentiometrically. Perform a blank determination and make any necessary correction. Each mL of 0.1 N sodium hydroxide is equivalent to 19.62 mg of  $C_6H_{12}O_7$ . Not less than 49.0% is found.

• **REFRACTIVE INDEX (831):** between 1.4160 and 1.4180 at 20°.

• **SPECIFIC ROTATION (781):** between +9.9° and +11.9°, determined as is, at 20°.

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

Topic/Question	Contact	Expert Committee
D-GLUCONIC ACID, 50 PERCENT IN WATER	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

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