

Status: Currently Official on 16-Feb-2025  
 Official Date: Official Prior to 2013  
 Document Type: Reagents  
 DocId: GUID-4E3FB28B-4A8A-4DED-8389-8AE123FF2169\_1\_en-US  
 DOI: [https://doi.org/10.31003/USPNF\\_R1476\\_01\\_01](https://doi.org/10.31003/USPNF_R1476_01_01)  
 DOI Ref: rd6gj

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## Sodium Pyruvate,

$\text{CH}_3\text{COCO}_2\text{Na}$  110.04 CAS RN<sup>®</sup>: 113-24-6.—White to practically white powder or crystalline solid. Soluble in water.

**Assay:** Transfer about 300 mg, accurately weighed, to a high-form titration beaker, add 150 mL of glacial acetic acid, and stir until dissolved. Titrate with 0.1 N perchloric acid VS, determining the endpoint potentiometrically, using a glass electrode and a calomel electrode modified to use 0.1 N tetramethylammonium chloride in methanol as the electrolyte. Perform a blank determination, and make any necessary correction. Each mL of 0.1 N perchloric acid is equivalent to 11.00 mg of  $\text{CH}_3\text{COCO}_2\text{Na}$ : not less than 98.0% is found.

**Solubility:** Dissolve 1.5 g in 25 mL of water: the solution is clear and complete.

**Free Acid:** Dissolve 10 g in 150 mL of water, and titrate with 0.5 N sodium hydroxide VS, determining the endpoint potentiometrically: not more than 2.8 mL of 0.5 N sodium hydroxide is consumed (about 1% as  $\text{C}_3\text{H}_4\text{O}_3$ ).

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

Topic/Question	Contact	Expert Committee
SODIUM PYRUVATE	<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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