

Status: Currently Official on 14-Feb-2025  
 Official Date: Official Prior to 2013  
 Document Type: Reagents  
 DocId: GUID-7E8ED9D3-AEC5-4263-B0F8-2FF8D109E871\_1\_en-US  
 DOI: [https://doi.org/10.31003/USPNF\\_R1998\\_01\\_01](https://doi.org/10.31003/USPNF_R1998_01_01)  
 DOI Ref: k6bw6

© 2025 USPC  
 Do not distribute

## 2-Ethyl-2-methylsuccinic Acid,

$C_7H_{12}O_4$  160.17—White crystals.

**Assay:** Transfer about 80 mg, accurately weighed, to a suitable beaker, add 30 mL of methanol, and dissolve by stirring. Slowly add 40 mL of deionized water.

[NOTE—If cloudiness appears when adding the deionized water, dissolve in 50 mL of methanol only.]

When solution is complete, titrate with 0.1 N sodium hydroxide VS, determining the endpoint potentiometrically. Perform a blank titration, and make any necessary correction. Each mL of 0.1 N sodium hydroxide is equivalent to 16.02 mg of  $C_7H_{12}O_4$ . Not less than 98.5% of  $C_7H_{12}O_4$  is found.

**MELTING POINT** (741): between 101° and 103°.

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

Topic/Question	Contact	Expert Committee
2-ETHYL-2-METHYLSUCCINIC ACID	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. Information currently unavailable

**Current DocID:** [GUID-7E8ED9D3-AEC5-4263-B0F8-2FF8D109E871\\_1\\_en-US](#)

**DOI:** [https://doi.org/10.31003/USPNF\\_R1998\\_01\\_01](https://doi.org/10.31003/USPNF_R1998_01_01)

**DOI ref:** [k6bw6](#)