

Status: Currently Official on 15-Feb-2025  
 Official Date: Official Prior to 2013  
 Document Type: Reagents  
 DocId: GUID-60EE675D-75B8-4F98-9540-0D5AD926BFBA\_1\_en-US  
 DOI: [https://doi.org/10.31003/USPNF\\_R2113\\_01\\_01](https://doi.org/10.31003/USPNF_R2113_01_01)  
 DOI Ref: 1km8n

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## Isopropyl Myristate,

$C_{17}H_{34}O_2$  270.45 CAS RN<sup>®</sup>: 110-27-0.—Use [Isopropyl Myristate](#) (NF monograph). For use as a solvent in sterility test procedures, Isopropyl Myristate conforms to the following additional specification:

• **pH of Water Extract:** Transfer 100 mL to a 250-mL centrifuge bottle, add 10 mL of twice-distilled water, close the bottle with a suitable closure, and shake vigorously for 60 minutes. Centrifuge the mixture at 1800 rpm for 20 minutes, aspirate the upper (isopropyl myristate) layer, and determine the pH of the residual water layer: the pH is not less than 6.5.

Isopropyl Myristate not conforming to the test for *pH of Water Extract* may be rendered suitable for use in sterility test procedures as follows: Using a 20-mm × 20-cm glass column, add activated alumina, and tamp down to a height of 15 cm. Pass 500 mL of the isopropyl myristate through the column, using a slight positive pressure to maintain an even flow, and use the eluate collected directly in the sterility test procedure.

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

Topic/Question	Contact	Expert Committee
ISOPROPYL MYRISTATE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

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