

Status: Currently Official on 16-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-F72ABD08-144F-4875-AAA2-C63A6D12DD71_1_en-US
DOI: https://doi.org/10.31003/USPNF_R2191_01_01
DOI Ref: 76oe5

© 2025 USPC
Do not distribute

Methyl Palmitate,

$C_{17}H_{34}O_2$ 270.45 CAS RN®: 112-39-0.—White solid.

Assay: Inject an appropriate volume into a gas chromatograph (see [Chromatography \(621\)](#)), equipped with a flame-ionization detector, helium being used as the carrier gas. The following conditions have been found suitable: a 0.25-mm × 30-m capillary column coated with a 1- μ m layer of phase G2; the injection port temperature is maintained at 300°; the detector temperature is maintained at 300°; the column temperature is maintained at 200° and programmed to rise 10° per minute to 300°. The area of the $C_{17}H_{34}O_2$ peak is not less than 96.5% of the total peak area.

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

Topic/Question	Contact	Expert Committee
METHYL PALMITATE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

Current DocID: [GUID-F72ABD08-144F-4875-AAA2-C63A6D12DD71_1_en-US](#)

DOI: https://doi.org/10.31003/USPNF_R2191_01_01

DOI ref: [76oe5](#)