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Methyl Arachidate

(Eicosanoic acid, methyl ester), $C_{21}H_{42}O_2$ 326.56 CAS RN[®]: 1120-28-1.—Off-white flakes.

Assay: Inject an appropriate specimen into a gas chromatograph (see [Chromatography \(621\)](#)) equipped with a thermal-conductivity detector, helium being used as the carrier gas. The following conditions have been found suitable: a 2.0-mm × 1.8-m glass column packed with 5% G2 phase on support S1A; the injection port temperature is maintained at 300°; the detector temperature is maintained at 300°; the column temperature is maintained at 230° and programmed to rise 3° per minute to 280°. The area of the $C_{21}H_{42}O_2$ peak is not less than 99% of the total peak area.

MELTING RANGE (741): between 46° and 51°.

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

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

Most Recently Appeared In:

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