

PRODUCT INFORMATION



Comprehensive Fatty Acid Methyl Ester Mixture 4

Item No. 46816

Supplied as: A solution in chloroform

Storage: -20°C

Stability: ≥2 years

Special Conditions: This standard is accurately prepared by gravimetric technique (±0.5%)

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

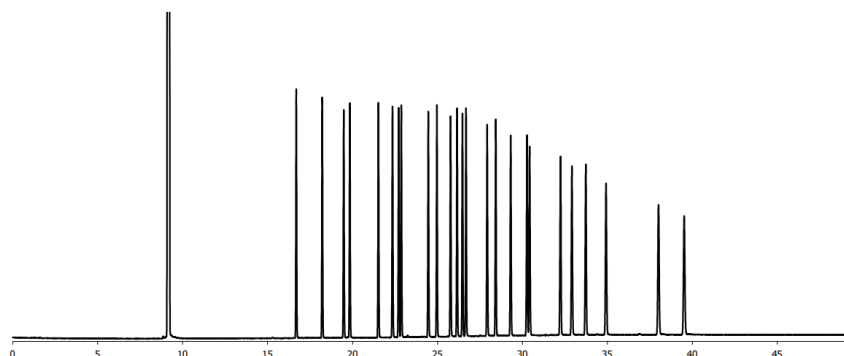
Description and Data

Comprehensive Fatty Acid Methyl Ester Mixture 4 contains nine saturated, six monounsaturated, and ten polyunsaturated fatty acid methyl esters (FAMES). It is intended for use as a reference standard for the quantification of these fatty acids in various sample types by GC-FID or GC-MS. This mixture is supplied in an amber ampule in which the headspace has been purged with argon to prevent lipid oxidation.

Included are:

Elution Order*	Item Name	% Concentration by Weight	Elution Order*	Item Name	% Concentration by Weight
1	Methyl pentadecanoate	4.00	14	Methyl heneicosanoate	4.00
2	Methyl hexadecanoate (palmitate)	4.00	15	Methyl eicosadienoate (all <i>cis</i> -11,14)	4.00
3	Methyl hexadecenoate (<i>cis</i> -9) (palmitoleate)	4.00	16	Methyl docosanoate (behenate)	3.99
4	Methyl heptadecanoate (margarate)	4.00	17	Methyl eicosatrienoate (all <i>cis</i> -8,11,14) (dihomo- γ -linolenate)	4.00
5	Methyl octadecanoate (stearate)	3.99	18	Methyl eicosatetraenoate (all <i>cis</i> -5,8,11,14) (arachidonate)	4.00
6	Methyl octadecenoate (<i>trans</i> -9) (elaidate)	4.01	19	Methyl tricosanoate	4.00
7	Methyl octadecenoate (<i>cis</i> -9) (oleate)	3.99	20	Methyl tetracosanoate (lignocerate)	4.00
8	Methyl octadecenoate (<i>cis</i> -11) (<i>cis</i> -vaccenate)	4.01	21	Methyl eicosapentaenoate (all <i>cis</i> -5,8,11,14,17)	3.99
9	Methyl octadecadienoate (all <i>cis</i> -9,12) (linoleate)	4.00	22	Methyl tetracosenoate (<i>cis</i> -15) (nervonate)	4.01
10	Methyl eicosanoate (arachidate)	4.00	23	Methyl docosatetraenoate (all <i>cis</i> -7,10,13,16)	3.99
11	Methyl octadecatrienoate (all <i>cis</i> -6,9,12) (γ -linolenate)	4.00	24	Methyl docosapentaenoate (all <i>cis</i> -7,10,13,16,19)	4.00
12	Methyl eicosenoate (<i>cis</i> -11)	4.01	25	Methyl docosahexaenoate (all <i>cis</i> -4,7,10,13,16,19)	4.00
13	Methyl octadecatrienoate (all <i>cis</i> -9,12,15) (linolenate)	4.00			

*GC Column Used: SP-2560, 100 m x 0.25 mm x 0.2 μ m



WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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