## Quantitative Fatty Acid Methyl Ester (FAME) Mixtures

These mixtures can be used for quantification (AOCS Method CE 1-62) and approximate the compositions of the following types of oils:

AOCS #1: corn, poppy seed, cotton seed, soybean, walnut, safflower, sunflower, rice, bran, and sesame oil
AOCS #2: linseed, perilla, hempseed, and rubberseed oil
AOCS #3: peanut, rapeseed, and mustard seed oil
AOCS #4: olive, teaseed, and neatsfoot oil
AOCS #5: coconut, palm kernel, babassu, and ouri-curi oil
AOCS #6: lard, beef or mutton tallow, and palm oil
FAME #1: oils of mid-range chain lengths (C16 - C18)
FAME #2: oils of short to mid-range chain lengths (C6 - C14)
FAME #3: oils of short to mid-range chain lengths (C8 - C16)

FAME #4: oils of mid-range to long chain lengths (C16 - C24)
FAME #5: oils of mid-range to long chain lengths (C16 - C24)
FAME #6: oils of long chain lengths (C20 - C21)
FAME #7: oils of short chain lengths (C6 - C10)
FAME #8: oils of short to mid-range chain lengths (C11 - C15)
FAME #9: oils of mid-range to long chain lengths (C16 - C20)
FAME #12: oils of mid-range to long chain lengths (C13 - C21)
FAME #13: mustard seed oil
FAME #14: cocoa butter
FAME #15: peanut oil

Composition of each mixture listed as a weight/weight % basis (minimum 50mg/ampul)

| Mix | cat. # | price | caproate (6:0) | heptanoate (7:0) | caprylate (8:0) | nonanoate (9:0) | caprate (10:0) | undecanoate (11:0) | laurate (12:0) | tridecanoate (13:0) | myristate (14:0) | pentadecanoate (15:0) | palmitate (16:0) | palmitoleate (16:1) | heptadecanoate (17:0) | stearate (18:0) | oleate (18:1) | linoleate (18:2) | linolenate (18:3) | nonadecanoate (19:0) | arachidate (20:0) | eicosenoate (20:1) | eicosadienoate (20:2) | homo γ linolenate (20:3) | arachidonate (20:4) | heneicosanoate (21:0) | behenate (22:0) | erucate (22:1) | docosadienoate (22:2) | lignocerate (24:0) | nervonate (24:1) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AOCS #1 | 35022 | | | | | | | | | | | | 6.0 | | | 3.0 | 35.0 | 50.0 | 3.0 | | 3.0 | | | | | | | | | | |
| AOCS #2 | 35023 | | | | | | | | | | | | 7.0 | | | 5.0 | 18.0 | 36.0 | 34.0 | | | | | | | | | | | | |
| AOCS #3 | 35024 | | | | | | | | | | 1.0 | | 4.0 | | | 3.0 | 45.0 | 15.0 | 3.0 | | 3.0 | | | | | | 3.0 | 20.0 | | | 3.0 |
| AOCS #4 | 35025 | | | | | | | | | | | | 11.0 | | | 3.0 | 80.0 | 6.0 | | | | | | | | | | | | | |
| AOCS #5 | 35026 | | | | 7.0 | | 5.0 | | 48.0 | | 15.0 | | 7.0 | | | 3.0 | 12.0 | 3.0 | | | | | | | | | | | | | |
| AOCS #6 | 35027 | | | | | | | | | | 2.0 | | 30.0 | 3.0 | | 14.0 | 41.0 | 7.0 | 3.0 | | | | | | | | | | | | |
| FAME #1 | 35010 | | | | | | | | | | | | 20.0 | | | 20.0 | 20.0 | 20.0 | 20.0 | | | | | | | | | | | | |
| FAME #2 | 35011 | | 20.0 | | 20.0 | | 20.0 | | 20.0 | | 20.0 | | | | | | | | | | | | | | | | | | | | |
| FAME #3 | 35012 | | | | 20.0 | | 20.0 | | 20.0 | | 20.0 | | 20.0 | | | | | | | | | | | | | | | | | | |
| FAME #4 | 35013 | | | | | | | | | | | | 20.0 | | | 20.0 | | | | | 20.0 | | | | | | 20.0 | | | 20.0 | |
| FAME #5 | 35014 | | | | | | | | | | | | | 20.0 | | | 20.0 | | | | | 20.0 | | | | | | 20.0 | | | 20.0 |
| FAME #6 | 35015 | | | | | | | | | | | | | | | | | | | | | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | | | | | |
| FAME #7 | 35016 | | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| FAME #8 | 35017 | | | | | | | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | | | | | | | | | | | | | | | | | | | |
| FAME #9 | 35018 | | | | | | | | | | | | | | | 20.0 | | 20.0 | 20.0 | | 20.0 | 20.0 | | | | | | | | | |
| FAME #12 | 35021 | | | | | | | | | 20.0 | | 20.0 | | | 20.0 | | | | | 20.0 | | | | | | 20.0 | | | | | |
| FAME #13 | 35034 | | | | | | | | | | | | 3.0 | 1.0 | | 2.0 | 20.0 | 15.0 | 10.0 | | 1.0 | 10.0 | 2.0 | | | | 1.0 | 30.0 | 2.0 | 1.0 | 2.0 |
| FAME #14 | 35035 | | | | | | | | | | 0.1 | | 26.3 | 0.4 | 0.3 | 33.7 | 34.3 | 3.1 | 0.2 | | 1.3 | 0.1 | | | | | 0.2 | | | | |
| FAME #15 | 35036 | $46 | | | | | | | | | | | 10.0 | | | 3.0 | 50.0 | 30.0 | | | 1.5 | 1.5 | | | | | 3.0 | | | 1.0 | |

Quantity discounts not available.

## Composition of Fatty Acids by GC

### EP 2.4.22 Composition of Fatty Acids by GC Mix 1

NEW!

(6 components)

| Description | % by Weight | Description | % by Weight |
|---|---|---|---|
| methyl arachidate (C20:0) | 40 | methyl oleate (C18:1[cis9]) | 20 |
| methyl dodecanoate (C12:0) | 5 | methyl palmitate (C16:0) | 10 |
| methyl myristate (C14:0) | 5 | methyl stearate (C18:0) | 20 |

100mg total

cat. # 35100 (ea.)

No data pack available.
Quantity discounts not available.

### EP 2.4.22 Composition of Fatty Acids by GC Mix 2

NEW!

(5 components)

| Description | % by Weight | Description | % by Weight |
|---|---|---|---|
| methyl caproate (C6:0) | 10 | methyl dodecanoate (C12:0) | 20 |
| methyl caprylate (C8:0) | 10 | methyl myristate (C14:0) | 40 |
| methyl decanoate (C10:0) | 20 | | |

100mg total

cat. # 35101 (ea.)

No data pack available.
Quantity discounts not available.