

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

ordering note

Custom fatty acid methyl ester mixtures also are available.

Call **800-356-1688** or **814-353-1300**, or contact your Restek representative for details.

Mix	Cat. #	Composition of each mixture listed as a weight/weight % basis (minimum 50mg/ampul)																																							
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																																						
FAME #3	35012					20.0								20.0																											
FAME #4	35013														20.0				20.0																				20.0		20.0
FAME #5	35014																20.0			20.0																					
FAME #6	35015																																								
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																								
FAME #12	35021								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														10.0			3.0	50.0	30.0									1.5	1.5						3.0				1.0	

Important Information About FAME Mixtures:

We certify that all raw materials used in these mixes have a minimum purity of 99%. The exact composition of each mixture is determined by precise gravimetric techniques, based on a weight/weight % basis, and is confirmed using high resolution capillary gas chromatography. A Certificate of Analysis, supplied with each product, lists mixture composition and analysis conditions and includes a sample chromatogram. Products are packaged by volume and are guaranteed to contain a minimum amount of 50mg/ampul. The FAMEs in these are *trans* isomer.

Improper storage or handling after opening may result in accelerated degradation of the unsaturated compounds. All materials must be stored under nitrogen at -18°C to prevent degradation.

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