

Flavors

**Fruit Juice Organic Acid Standard** (5 components)

citric acid	2,000µg/ml	quinic acid	2,000
fumaric acid	10*	tartaric acid	2,000
malic acid	2,000		

In water, 1mL/ampul

cat. # 35080 (ea.)

In water, 5mL/ampul

cat. # 35081 (ea.)

\*Fumaric acid is a trace impurity in malic acid, as well as an added component of the mix. The amount of fumaric acid in malic acid will not affect the stated concentration of malic acid, but can represent a significant and variable deviation from the low concentration of fumaric acid stated to be in the mix. All other components of the mix are at the specified concentration. Quantity discounts not available.

Fragrances

**Fragrance Materials Test Mix** (12 components)

The Fragrance Materials Association (FMA) has proposed a method for analyzing essential oils on polar and nonpolar capillary GC columns. A performance evaluation mixture should be used to aid in detecting inlet problems, stationary phase degradation, loss of resolution, changes in sensitivity, and the presence of reactive sites in the sample pathway. Our test mix is consistent with the mixture proposed by the FMA. The required 5% test solution is made by diluting the 0.5mL of neat mixture to 10mL with acetone. The working solution will be stable for up to one week if transferred to a dark container and stored refrigerated.

benzoic acid	1.0%	geraniol	0.6%
benzyl salicylate	36.2%	hydroxycitronellal (3,7-dimethyl-7-hydroxyoctanal)	5.0%
1,8-cineole (eucalyptol)	0.5%	d-limonene	20.0%
trans cinnamaldehyde	0.5%	thymol	0.3%
cinnamyl acetate	0.3%	vanillin	0.1%
cinnamyl alcohol	0.3%		
ethyl butyrate	36.2%		

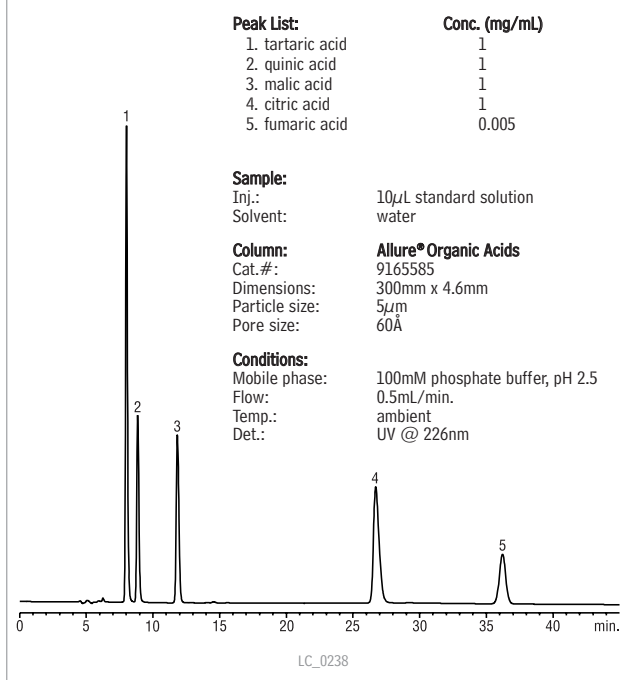
Neat, 0.5mL in an amber ampul

cat. # 31807 (ea.)

No data pack available.

Quantity discounts not available.

**Organic acids on an Allure® Organic Acids HPLC column.**



**Standard Methods for the Examination of Water and Wastewater Method 5560: Organic and Volatile Acids**

The measurement of organic acids, either by adsorption and elution from a chromatographic column or by distillation, can be used as a control test for anaerobic digestion. The chromatographic separation method is presented for organic acids (5560B), while a method using distillation (5560C) is presented for volatile acids. A new method using gas chromatography is included for the determination of acetic, propionic, butyric, isobutyric, valeric, and isovaleric acids (5560D).

**Free Fatty Acids Test Standard** (6 components)

acetic acid	isovaleric acid
butyric acid (C4:0)	propionic acid
isobutyric acid	valeric acid

1,000µg/mL each in water, 1mL/ampul

cat. # 35272 (ea.)

**Fatty Acid Methyl Esters (FAMES)**

**Marine Oil FAME Mix** (20 components)

Chain	Description	% by Weight
C14:0	methyl myristate	6.0
C14:1	methyl myristoleate	1.0
C16:0	methyl palmitate	16.0
C16:1	methyl palmitoleate	5.0
C18:0	methyl stearate	8.0
C18:1	methyl oleate	13.0
C18:1	methyl vaccenate	4.0
C18:2	methyl linoleate	2.0
C18:3	methyl linolenate	2.0
C20:0	methyl arachidate	1.0
C20:1	methyl 11-eicosenoate	9.0
C20:2	methyl 11-14-eicosadienoate	1.0
C20:4	methyl arachidonate	3.0
C20:3	methyl 11-14-17-eicosatrienoate	1.0
C20:5	methyl eicosapentaenoate	10.0
C22:0	methyl behenate	1.0
C22:1	methyl erucate	3.0
C22:6	methyl docosahexaenoate	12.0
C24:0	methyl lignocerate	1.0
C24:1	methyl nervonate	1.0

cat. # 35066 (100mg)

No data pack available.

Quantity discounts not available.

**cis/trans FAME Mix** (8 components)

Description	% by Weight
methyl elaidate (C18:1 trans-9)	10.0
methyl linoleate (C18:2 cis-9,12)	20.0
methyl oleate (C18:1 cis-9)	10.0
methyl petroselinate (C18:1cis-6)	8.0
methyl petroselaidate (C18:1trans-6)	8.0
methyl stearate (C18:0)	20.0
methyl transvaccenate (C18:1 trans-11)	12.0
methyl vaccenate (C18:1 cis-11)	12.0

10mg/mL total in methylene chloride, 1mL/ampul

cat. # 35079 (ea.)

No data pack available.

Quantity discounts not available.