

for **more info**

See pages 658-668 for chromatograms of flavors and fragrances analysis.

**Fragrance Materials Test Mix**

The Fragrance Materials Association (FMA) has proposed a method for analyzing essential oils on polar and non-polar 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	
1,8-cineole (eucalyptol)	0.5%	(3,7-dimethyl-7-	
<i>trans</i> cinnamaldehyde	0.5%	hydroxyoctanal)	5.0%
cinnamyl acetate	0.3%	d-limonene	20.0%
cinnamyl alcohol	0.3%	thymol	0.3%
ethyl butyrate	36.2%	vanillin	0.1%

Neat, 0.5mL in an amber ampul  
cat. # 31807 (ea.)

No data pack available.

**Dimethyldichlorosilane (DMDCS)**

Restek offers dimethyldichlorosilane (DMDCS), for deactivating liners and other glassware. Simply dilute the neat material to a 5% solution in toluene, soak the glass item(s) in the solution for 15 minutes, and rinse with toluene and methanol. DMDCS reacts with active hydroxyl groups on the glass surface to produce a deactivated surface. A detailed procedure is included with the product.

dimethyldichlorosilane (DMDCS)  
Neat, 20mL/ampul  
cat. # 31840 (ea.)

**free data**

**Available on Our Website: Lot Certificates, Data Packs, and MSDSs**

For complete information detailing manufacturing and testing for Restek inventoried reference standards, visit our website at [www.restek.com](http://www.restek.com).

To view lot certificates and/or an MSDS, enter the catalog number of the product in the Search feature. For a free data pack (Adobe® PDF file), enter the catalog number and lot number of the product.

**Grob Test Mix** (Capillary GC)

For use with temperature programmed conditions.

<i>n</i> C10-FAME	0.42mg/mL	2,6-dimethylphenol	0.32
<i>n</i> C11-FAME	0.42	2-ethylhexanoic acid	0.38
<i>n</i> C12-FAME	0.41	nonanal	0.40
2,3-butanediol	0.53	1-octanol	0.36
dicyclohexylamine	0.31	undecane (C11)	0.29
2,6-dimethylaniline	0.32	decane (C10)	0.28

In methylene chloride, 1mL/ampul  
cat. # 35000 (ea.)

No data pack available.

**Amine Column Test Mix** (GC)

For Stabilwax®-DB, Rtx®-5Amine, and Rtx®-35Amine columns.

1,2-butanediol	0.60mg/mL	diethanolamine	1.20
pyridine	0.60	2-nonanol	0.60
decane (C10)	0.60	2,6-dimethylaniline	0.60
diethylenetriamine	1.20	dodecane (C12)	0.60

In methylene chloride:methanol (1:1), 1mL/ampul  
cat. # 35002 (ea.)

No data pack available.

**Isothermal Column Test Mix** (GC)

1,2-hexanediol	0.46mg/mL	1-octanol	0.36
decane (C10)	0.29	nonanal	0.40
undecane (C11)	0.29	2,6-dimethylaniline	0.32
dodecane (C12)	0.29	2,6-dichlorophenol	0.57
tridecane	0.29	naphthalene	0.32

In methylene chloride, 1mL/ampul  
cat. # 35003 (ea.)

No data pack available.

**HPLC Normal Phase Test Mix #1**

benzene	1.00mg/mL	benzyl alcohol	3.00
benzaldehyde	0.04	4-methoxybenzyl alcohol	2.00

In hexane, 1mL/ampul  
cat. # 35004 (ea.)

No data pack available.

**HPLC Reversed Phase Test Mix #1**

benzene	3.00mg/mL	naphthalene	0.50
uracil	0.02	biphenyl	0.06

In methanol:water (75:25), 1mL/ampul  
cat. # 35005 (ea.)

No data pack available.