

## COSMETICS &amp; PERSONAL CARE

## New Reference Materials for Quality Control of Fragrances and Cosmetics

*Neat reference materials for allergenic fragrances listed in the new IFRA method*

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In Analytix Reporter, Issue 3, we presented two certified reference material mixes and a chromatographic application for use with the new IFRA method for the testing of 57 potentially allergenic fragrances.<sup>1</sup> This new method allows the screening of complex fragrance mixtures for the presence of these chemically defined allergens by GC-MS.

We now introduce a number of new individual reference materials as neat compounds for some of the allergenic fragrances contained in the mixes. These reference materials have been certified by quantitative NMR (qNMR) and are traceable to NIST SRMs. The certificate contains information about traceability, homogeneity and stability and the values are given with calculated uncertainties.

Description	Package Size	Cat. No.
Acetylugenol	100 mg	<b>36103</b>
Amyl salicylate	100 mg	<b>77345</b>
$\alpha$ -Amylcinnamaldehyde, predominantly trans	100 mg	<b>78504</b>
Benzyl cinnamate	100 mg	<b>78714</b>
Benzyl salicylate	100 mg	<b>77069</b>
D-Camphor	100 mg	<b>79307</b>
Cinnamyl alcohol	50 mg	<b>38382</b>
( $\pm$ )- $\beta$ -Citronellol	50 mg	<b>76638</b>
(E)- $\beta$ -Damascone	10 mg	<b>79172</b>
$\alpha,\alpha$ -Dimethylphenethyl acetate	100 mg	<b>77893</b>
16-Hexadecanolide	100 mg	<b>77684</b>
$\alpha$ -Hexylcinnamaldehyde	100 mg	<b>78724</b>
Isoeugenyl acetate	100 mg	<b>77526</b>
Linalyl acetate	50 mg	<b>79308</b>
DL-Menthol	100 mg	<b>38278</b>
4-Methoxybenzyl alcohol	100 mg	<b>78311</b>
Methyl 2-octynoate	50 mg	<b>78700</b>
(-)- $\beta$ -Pinene	100 mg	<b>36327</b>
Salicylaldehyde	100 mg	<b>78313</b>
$\beta,\beta$ -3-Trimethylbenzenepropanol	100 mg	<b>78329</b>

Find a list of the new reference materials above or online at

[SigmaAldrich.com/fragrancestandards](http://SigmaAldrich.com/fragrancestandards)

#### Reference

1. Analytix Reporter Issue 3 2018.

*Presented in Analytix Reporter - Issue 3*

## Allergenic Fragrance Testing

**New Certified Reference Materials and GC-FID/GC-MS Application**

Introduction of dedicated calibration mixes for the new IFRA method and their analysis by GC using an Ionic Liquid capillary column providing unique selectivity and stability.

To read more visit us at [SigmaAldrich.com/Analytix](http://SigmaAldrich.com/Analytix) and see under Issue 3

