

GC-MS determination of allergenic aromatizing substances in cosmetic and detergent products

Test aim: the method allows the quantitative determination of allergenic aromatizing substances (in conformity with Law Decree no. 50 of 15 February 2005) in essences, essential oils, perfumes and cosmetic products in general.

Procedure: as regards essences, essential oils and perfumes, the analysis is carried out on solutions obtained from suitable dilution of the sample with organic solvent.

For complex cosmetic products, the analysis is performed on suitable extracts obtained from Solid Phase Extraction (SPE). The analytes quantitative determination is carried out through capillary column gas chromatography and mass spectrometry (GC-MS) in MID mode (Multiple Ion Detection), using a suitable internal standard.

Instruments: gas chromatography with mass detector (GC-MS)

Method: MP-1197-R0/04 internal standard