



CODE	ANALYSIS	METHOD	TIME	SAMPLE
CHA	<p>CHEMICAL CHARACTERIZATION OF ESSENTIAL OILS (CHEMOTYPING)</p> <p>It is the most accurate multi-column methodology for determining the chemical composition of essential oils. Designed for bioactivity, chemotyping and authenticity studies, as well as for exhaustive quality control. Report with chromatogram graphs and all identified components together with CAS number and percentage. Typically, more than 99% of the total compounds are identified. Additional information in the report: specifications or standards, chemical families, IFRA restrictions and cosmetic allergens.</p>	ISO 7609 & 11024-2 (2xGC-MS/FID)	3 days	5 ml
GC	<p>BASIC CHARACTERIZATION OF ESSENTIAL OILS</p> <p>Intermediate precision methodology, with the possibility of co-elutions, designed for routine quality control. GC-MS/FID technique. Report with chromatogram graphs and all identified compounds together with the CAS No. and their percentage. Typically, 15 - 20 compounds are identified. Additional information in the report: specifications or standards, chemical families, IFRA restrictions and cosmetic allergens.</p>	ISO 7609 & 11024-2 (GC-MS/FID)	2 days	5 ml
AUT	<p>PURITY TEST OF ESSENTIAL OILS (Authentication)</p> <p>Characterization report (CHA), trace marker analysis, fingerprinting, chiral analysis (if applicable), non-volatile content and conclusions.</p>	Internal (2xGC-MS/FID)	3 days	5 ml
VGT	<p>FATTY ACID PROFILE OF VEGETABLE OILS</p> <p>Report with the composition of Fatty Acids. Esterification + GC-MS/FID. Once concentrated and separated, only the volatile fraction is analysed.</p>	ISO 12966-1-2 (GC-MS/FID)	2 days	5 ml
CHAVG	<p>CHEMICAL CHARACTERIZATION OF PLANT MATERIAL</p> <p>Steam distillation or hydrodistillation followed by chemotyping or characterization (CHA).</p>	Internal (SD-2xGC-MS/FID)	5 days	200 gr
CHA_PRRF	<p>CHARACTERIZATION OF ABSOLUTES (CHEMOTYPING)</p> <p>Aromatic profile of absolutes by GC-MS/FID by HP5 column. Quantification of each substance by internal standard method based on IOFI 10.1002/ffj.3311191.</p>	Internal (GC-MS/FID)	3 days	5 ml
CHA_ABS	<p>CHA_PRRF: Direct injection of volatile absolutes. CHA_ABS: Previous extraction by HS-SPME of non-volatile absolutes.</p>	Internal (HS-SPME-GC-MS/FID)	5 days	5 ml
CHA_FR	<p>CHARACTERIZATION OF FRAGRANCES, AROMAS AND SYNERGIES (GC)</p> <p>Multi-column methodology to determine chemical composition. Quantification by internal standard method based on IOFI 10.1002/ffj.3311191.</p> <p>Ideal for perfumers, flavorists, or companies that choose to outsource the chromatographic analysis of a fragrance. Report with the components identified along with the CAS number and their percentage. Identification of more than 99% of the total. Additional information in the report: chemical families, IFRA restrictions and cosmetic allergens. You do not get a formula, but an analysis.</p>	Internal (2xGC-MS/FID)	3 days	5 ml



CODE	ANALYSIS	METHOD	TIME	SAMPLE
ALLSC	COSMETIC ALLERGEN SCREENING - FRAGRANCES Determination by GC-MS/FID. Quantification by internal standard method based on IOFI 10.1002/ffj.3311191, of the 57 allergenic substances according to Annex III of Regulation (EC) No 1223/2009. ALLSC: LoQ = 100 ppm. ALLSC-30: LoQ = 30 ppm	Internal (2xGC-MS/FID)	3 days	5 ml
ALLSC-30		Internal (2xGC-MS/FID)	3 days	5 ml
ALLSC2	COSMETIC ALLERGEN DETERMINATION – ESSENTIAL OILS & AROMATIC EXTRACTS Determination by GC-MS/FID. Quantification by internal standard method based on IOFI 10.1002/ffj.3311191, of the 57 allergenic substances according to Annex III of Regulation (EC) No 1223/2009. ALLSC2: LoQ = 100 ppm. ALLSC2-30: LoQ = 30 ppm	Internal (2xGC-MS/FID)	3 days	5 ml
ALLSC2-30		Internal (2xGC-MS/FID)	3 days	5 ml
PC (D/R/O)	PHYSICO-CHEMICAL MEASUREMENTS Relative density, Refractive Index, Optical Rotation. In the application form, specify "PC" followed by the first letter of the requested parameter in English. Price per measurement. (€19 each).	Several ISO	2 days	10 ml
AC	ACID VALUE Acidity of vegetable oils and aromatic products. <i>Equivalent methods to: AOCS Cd 8-53, ISO 3960, ISO 18321</i>	Photometric methods	2 days	5 ml
PER	PEROXIDE VALUE Measurement of oxidation of oils and aromatic products. <i>Equivalent methods to: ISO 660, AOCS Cd 3d-63, AOCS Ca 5a-40, ISO 1242</i>	Photometric methods	2 days	5 ml
QA-CHI	CHIRAL ANALYSIS (Enantiomeric Excess) Determination by GC-FID, of the ratio between Dextro and Levo enantiomers of chiral aromatic substances.	ISO 22972:2004 (GC-FID)	3 days	5 ml
ET_PUR	PURITY IN ETHANOL Ethanol concentration in extracts, perfumes, etc. Determination by GC-FID, by internal standard method.	ISO 17494	2 days	5 ml
EXT	EXTRACTION OF THE AROMATIC FRACTION Application to CHA, GC, AUT services of products with aqueous phase (e.g.: hydrolates or beverages), and/or non-volatile fraction (e.g.: market products such as soaps, creams, softeners or extracts such as absolutes, resinoids, etc.).	Internal HS-SPME		5 ml
AS	CONSULTANCY ON RESULTS Organoleptic analysis, comparison with market standards. Application and quality conclusions. Telephone, e-mail or WhatsApp consultations included. Applicable to GC, CHA and PC.			



CODE	ANALYSIS PROTOCOLS	TIME	SAMPLE
AUT2	COMPLETE AUTHENTICITY AND QUALITY ANALYSIS OF ESSENTIAL OILS Characterization, marker analysis, chiral analysis..., together with physical-chemical and organoleptic analysis. Report with conclusions and advice on the results included. AUT+PC.	3 days	15 ml
CHHY	CHEMICAL CHARACTERIZATION OF HYDROSOLS (CHEMOTYPING) Essential oil content and characterization report (CHA). EXT + CHA	5 days	50 ml
QC-EO	QUALITY TEST OF ESSENTIAL OILS (CoA) Complete control with consulting, comparison with standards and CoA issuance. PER+CHA+AS+PC-D+PC-R+PC-O. Peroxide value only for highly oxidizable oils (with IFRA specifications).	3 days	15 ml
QC-VO	QUALITY TEST OF VEGETABLE OILS (CoA) Complete control with consultancy, comparison with standards and CoA issuance. PER+AC+VGT+AS+PC-D+PC-R.	3 days	15 ml
RT-VO RT-EO	RE-TEST OF ESSENTIAL AND VEGETABLE OILS For the extension of the expiration period. AC+PER+AS.	2 days	5 ml
QC-EO BASIC	BASIC QUALITY TEST OF ESSENTIAL OILS (CoA) Basic characterization + Advice on results + Organoleptic and physical-chemical profile. GC+AS+PC.	2 days	5 ml
PC [D/R/O]	PHYSICAL-CHEMICAL PROFILE Density. Refractive index. Optical rotation.	2 days	30 ml
CODE	DOCUMENTATION	TIME	SAMPLE
QC-EO_DOC+ ALLSC2+ EQG1	TECHNICAL DOCUMENTATION PACKAGE FOR THE COSMETICS SECTOR (ESSENTIAL OILS) To market essential oils in the EU. Includes: MSDS (REACH-CLP), TDS, ALLERGENS CERTIFICATE, IFRA CERTIFICATE, BATCH ANALYSIS CERTIFICATE (Check prices for individual certificates) Chemical characterization process (CHA) + Screening or verification of restricted substances. Preparation of Word templates (English and Spanish) of the 4 documents, based on that typical composition. The characterization report in Pdf is included in the price. Also available for HYDROLATES, VOLATILE ABSOLUTES, AND FRAGRANCES (check price)	6 days	20 ml
CHA_DOC+ ALLSC2+ EQG2+ EQG4	COSMETIC ALLERGEN CERTIFICATION AND IFRA-CERTIFICATE FOR RAW MATERIALS (ESSENTIAL OILS) Chemical characterization process (CHA) + Screening of restricted substances. Determination by GC-MS/FID, with correction factors and internal standards, of the 57 allergenic substances, according to Annex III of Regulation (EC) No. 1223/2009. Cut-off value: 30 ppm. Preparation of templates in Word (English and Spanish) of both certificates based on that typical composition. The characterization report and allergen screening report in PDF is included in the price. Also available for HYDROLATES, VOLATILE ABSOLUTES, AND FRAGRANCES (check price)	6 days	10 ml