Annex – Service List			
ANALYSIS	METHOD	CODE	SAMPLE
CHEMICAL CHARACTERIZATION OF ESSENTIAL OILS (CHEMOTYPING) 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. LoD=30ppm		СНА	5 ml
BASIC CHARACTERISATION OF ESSENTIAL OILS  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, FRA restrictions and cosmetic allergens.	ISO 7609 & 11024-2 (GC-MS/FID)	GC	5 ml
PURITY TEST OF ESSENTIAL OILS (Authentication) Characterisation report (CHA) + Trace marker analysis, fingerprint interpretation, chiral analysis (if applicable), non-volatile content and conclusions.	Internal (2xGC- MS/FID)	AUT	5 ml
FATTY ACID PROFILE OF VEGETABLE OILS  Report with the composition of Fatty Acids. Esterification + GC-MS/FID. Once concentrated and separated, only the volatile fraction is analysed.	ISO 12966-1-2 (GC-MS/FID)	VGT	5 ml
PHYSICO-CHEMICAL MEASUREMENTS  Density, Refractive Index, Optical Rotation. In the application form, specify "PC" followed by the first letter of the requested parameter in English.	Several ISO	PC [D/R/O]	10 ml
*ACID VALUE. Equivalent methods to: AOCS Cd 8-53, ISO 3960, ISO 18321 *PEROXIDE VALUE. Equivalent methods to: ISO 660, AOCS Cd 3d-63, AOCS Ca 5a-40, ISO 1242  CHEMICAL CHARACTERISATION OF PLANT MATERIAL  Steam distillation followed by chemotyping or characterisation (CHA).		AC/ PER	5 ml
		CHAVG	1 Kg
CHIRAL ANALYSIS (Enantiomeric Excess) Determination by GC-FID, of the ratio between Dextro and Levo enantiomers of chiral aromatic substances.		QA-CHI	5 ml
CHARACTERIZATION OF FRAGRANCES, AROMAS AND SYNERGIES (GC)  Multi-column methodology to determine chemical composition. Ideal for perfumers, aromists, or companies that choose to outsource the chromatographic analysis of a fragrance or aroma. 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. LoD=30ppm	Internal (2xGC-MS/FID)	CHA_FR	5 ml
COSMETIC ALLERGEN DETERMINATION - FRAGRANCES 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. LoQ: 30 ppm. Determination per batch (Certificate of Analysis)	Internal (2xGC-MS/FID)	ALLSC	5 ml
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	EXT	5 ml
CONSULTANCY ON RESULTS  Drganoleptic analysis, comparison with market standards. Application and quality conclusions. Telephone, e-mail or WhatsApp consultations included. Applicable to GC, CHA and PC.		AS	

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ANALYSIS PROTOCOLS	CODE	SAMPL
OMPLETE AUTHENTICITY AND QUALITY ANALYSIS OF ESSENTIAL OILS	AUT2	15 ml
haracterization, marker analysis, chiral analysis, together with physical-chemical and organoleptic analysis. Report with conclusions and advice on the results included. AUT+PC.	71012	15 1111
HEMICAL CHARACTERIZATION OF HYDROSOLS (CHEMOTYPING)	CHHY	50 ml
ssential oil content and characterization report (CHA). EXT + CHA	0	
UALITY TEST OF ESSENTIAL OILS (CoA)	QC-EO	15 ml
omplete 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).	QC 20	15 1111
UALITY TEST OF VEGETABLE OILS (CoA)	QC-VO	15 ml
omplete control with consultancy, comparison with standards and CoA issuance. PER+AC+VGT+AS+PC-D+PC-R.	QC-VO	131111
E-TEST OF ESSENTIAL AND VEGETABLE OILS	RT-VO RT-EO	5 ml
or the extension of the expiration period. AC+PER+AS.	RI-EO	
ASIC QUALITY TEST OF ESSENTIAL OILS (CoA)	QC-EO BASIC	5 ml
asic characterization + Advice on results + Organoleptic and physical-chemical profile. GC+AS+PC.  HYSICAL-CHEMICAL PROFILE		
Density. Refractive index. Optical rotation.	PC [D/R/O]	30 ml
DOCUMENTATION	CODE	SAMPL
ECHNICAL DOCUMENTATION PACKAGE FOR THE COSMETICS SECTOR (ESSENTIAL OILS)		
o market essential oils in the EU.		
cludes: MSDS (REACH-CLP), TDS, ALLERGENS CERTIFICATE, IFRA CERTIFICATE, BATCH ANALYSIS CERTIFICATE (Check prices for individual certificates)	QC-	
themical characterization process (CHA) + Screening or verification of restricted substances. Preparation of Word templates (English and Spanish) of the 4 documents, based on that typical	EO_DOC+ ALLSC2+	20 ml
omposition. The characterization report in Pdf is included in the price.	EQG1	
Iso available for HYDROLATES, VOLATILE ABSOLUTES, AND FRAGRANCES (check price)		
OSMETIC ALLERGEN CERTIFICATION AND IFRA-CERTIFICATE FOR RAW MATERIALS (ESSENTIAL OILS)		
nemical  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  according	CHA_DOC+A	
nnex III of Regulation (EC) No. 1223/2009. Cut-off value: 30 ppm.	LLSC2+ EQG2+	10 ml
reparation 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.	EQG4	
so available for HYDROLATES, VOLATILE ABSOLUTES, AND FRAGRANCES (check price)		