

FRAGRANCE, FLAVOUR, ESSENTIAL OIL ANALYSIS



- **Protein Extraction Services**
- **Protein Purification**
- **Protein Estimation**
- **Protein Electrophoresis & Blotting**
- **Protein Identification Services**
- **Amino Acid Analysis**



Helpline: + 91 - 09891179928

mail@allelelifesciences.com

FRAGRANCE & FLAVOUR ANALYSIS

Our fragrance and flavour analysis services can be utilised to develop a new product or to test the quality and consistency of an existing product.

Our chemist chromatography and mass spectrometry core expertise is in developing and validating robust quantitative methods and then applying those methods to high throughput sample analysis



SERVICES WE OFFER :

Fingerprint Analysis :

Chromatography and Mass Spectrometry are **very suitable for fingerprint** / trace analysis of perfume ingredients. It is a powerful analytical tool for trace and ultra-trace analysis, unknowns identification, and many other applications .

De-formulation of Fragrances & Flavours :

Our de-formulation reports can reveal a product's complete ingredients. Our testing services can identify potential impurities, determine CAS numbers, quantify the amounts of each raw ingredient within a product, and develop a formula cost analysis.

Allergens Analysis :

We have the various analytical tools to identify the allergen compounds in perfume formulation . The allergen screening test is performed using GC-MS together with relevant standards

PRODUCT WE ANALYSE:

- Fine Fragrances
- Cosmetics
- Household Products
- Food Flavours & Fragrances
- Pan, Gutka, Mouth Fresheners, Cigarettes Flavours etc.
- Inks, Polymers, Cleaners etc.

TECHNOLOGIES AND FACILITIES

Analysis by GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer, ELISA, PCR & Real Time PCR, Sequencing, Ion Meters, RI Detector, Flash Point Apparatus etc.

ESSENTIAL OIL ANALYSIS

Essential oils are high-value ingredients extracted from plants. They are not only used in cosmetics, but also in many food and feed applications for their flavouring and preservative properties. The purity of an essential oil is its most important characteristic.

An essential oil that isn't pure means you run the risk of putting germs, heavy metals, or adulterants onto or into your body, which can provoke irritation, adverse effects, or even sickness



ESSENTIAL OIL ANALYSIS:

Our highly qualified team of analytical chemist, microbiologist, fragrance chemist and technicians offer laboratories an extensive range of modern and integrated solutions enabling them to automate their analyses whether it be for R&D, processes or quality control.

- **Compositional analysis**
- **Authenticity testing**
- **De Formulation Analysis**
- **Impurity Analysis**
- **Qualitative & Quantitative Analysis**
- **Odour Evaluation**
- **Self Life Studies**
- **Fingerprinting Analysis**

COMPLETE Q.C. TESTING OF ESSENTIAL OIL

Refractive Index || Specific Gravity || Optical Rotation || Acid Value || Infrared Spectroscopy || Organoleptic Testing || Microbial Testing || GC-MS Analysis- determine the composition of an essential oil || Chirality Testing || Isotopic Analysis || Heavy Metal Testing

TECHNOLOGIES AND FACILITIES

Analysis by GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer, ELISA, PCR & Real Time PCR, Sequencing, Ion Meters, RI Detector, Flash Point Apparatus etc.

FRAGRANCE DEVELOPMENT

Our perfumers and lab technicians possess an extensive experience in the fragrance field. These fragrance specialists can assist you with your formulation needs, taking advantage of our comprehensive inventory and understanding of raw materials.

Whether developing or duplicating, we are here to help you identify and formulate the perfect aroma for your product.



SERVICES WE OFFER :

- **Product Development**
- **Research & Development**
- **Evaluation**
- **Re-Formulation**

PRODUCT DEVELOPMENT

With access to the latest trends in the fragrance industry, we are always ready to help you develop the latest scents to boost your fragrance business.

- **FINE FRAGRANCES**
- **PERSONAL CARE PRODUCTS : Body Care, Hair Care, Fine Fragrances**
- **AIR CARE : Candles, Scented Wax, Air Freshener, Room Spray**
- **INNOVATE HERBAL MASSAGE OIL FORMULATIONS**
- **HOME CARE PRODUCTS**
- **HARE CARE**
- **FABRIC CARE**

OUR ADVANTAGE :

We undertake the whole project for genotyping services

- **Team of expert perfumers**
- **Fragrance evaluators**
- **Marketing Team**
- **State of art research and analysis lab**
- **Innovation & Technical Support**

TECHNOLOGIES AND FACILITIES

Analysis by GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer.

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FLAVOR DEVELOPMENT

Flavour is undoubtedly one of the most important characteristics in the success of a product. We at ChemGeneics creating flavours that are bold , vibrant and balanced . We are not trying to have everyone like every flavour, we make flavour is going to be liked by each person; however, everyone will respect our quality and making skills, and thus will *LOVE* at least one of our flavours.



SERVICES WE OFFER :

- Flavour Development
- Research & Development
- Evaluation
- Re-Formulation

PRODUCT DEVELOPMENT

With access to the latest trends in the fragrance industry, we are always ready to help you develop the latest scents to boost your fragrance business.

- FLAVOUR ENZYME
- TASTE ENHANCERS
- ALCOHOLIC BEVERAGE DEVELOPMENT
- NON ALCOHOLIC BEVERAGE DEVELOPMENT
- HERBAL BEVERAGE DEVELOPMENT
- DAIRY FLAVOR DEVELOPMENT
- PAN MASALA, GUTKA, CIGRETTE FLAVOR DEVELOPMENT

OUR ADVANTAGE :

We undertake the whole project for genotyping services

- Team of expert perfumers
- Fragrance evaluators
- Marketing Team
- State of art research and analysis lab
- Innovation & Technical Support

TECHNOLOGIES AND FACILITIES

Analysis by GC-MS-MS, Triple Quadrupole, Gas Chromatograph (FID, FPD and NPD Detectors), Analysis by LC-MS-MS, Analysis by HPLC - PDA, FLD Detectors, UV-Visible spectrophotometer .

FRAGRANCE BIOTECHNOLOGY

Increasing demand and consumption of fragrance products led to the expansion of biotechnology processes for fragrance production. Molecules produced by biotechnology are chiral products as done by nature without by-product.

The use of microorganism, a more environment friendly process to synthesise 100% natural fragrance, natural molecules.



SERVICES WE OFFER :

- **Research & Innovation**
- **Development of natural aromatics**
- **Development of natural flavours**
- **Essential oil & Isolates**
- **Re-Formulation**

PRODUCT DEVELOPMENT

With access to the latest trends in the fragrance industry, we are always ready to help you develop the latest scents to boost your fragrance business.

- **GREEN FRAGRANCES**
- **NATURAL AROMATICS**
- **NATURAL PYRAZINES**
- **ESSENTIAL OIL & ISOLATES**
- **NATURAL ABSOLUTES**
- **NATURAL EXTRACTS**
- **OLEORESINS**

OUR ADVANTAGE :

We undertake the whole project for genotyping services

- **Team of flavour chemist**
- **Flavour evaluators**
- **Marketing Team**
- **State of art research and analysis lab**
- **Innovation & Technical Support**

QUOTATION & ORDERING :

For quotation request mail at : mail@allelelifesciences.com or
Call - + 91 - 9891179928

Helpline: + 91 - 09891179928

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SAMPLE SUBMISSION FORM

CUSTOMER INFORMATION

Name :

Address :

Phone :

E.mail :

SAMPLE INFORMATION

#	Analysis Required	Sample Information	No. of Samples	MSDS
				Y/N

ANALYSIS INSTRUCTION

AUTHORIZATION SIGNATURE

DATE

For Office Use Only	Comment	
Received By		Date
Forwarded to		Date

MSDS QUESTIONNAIRE

Helpline: + 91 - 09891179928

mail@allelelifesciences.com

Description of Sample(s):	
Material Composition/List of Ingredients?	
Is License required to handle sample?	
Is the sample a Biological Agent?	
Is Sample Radioactive?	
Physical Characteristics?	
Hazard/Transportation Labels?	
Does your Institution specify any specific Personal Protective Equipment (PPE) to your staff for handling sample(s)?	
Does your company specify any specific Sample Containment?	
Does your company specify any specific Sample Containment?	

OTHER INSTRUCTION