



CULINARY SENSATION LTD.
The Gateway to Pure Extracts & Innovation





What We Do

Culinary Sensation Ltd (CSL) specialises in the precise isolation of bio-active compounds to supply the food, pharmaceutical and cosmetics manufacturing industry with highly pure extracts.

CSL also supplies innovative shelf ready products to the UK wholesale and retail sectors.

Manufacturing Partnership

We partner with R&D teams in the manufacturing sector. Our Supercritical Fluid and Ultra-Sonic Extraction technologies enable customised extraction to meet formulation needs.



UK Retail & Wholesale

Beyond industrial supply, CSL offers innovative retail products to the UK retail/wholesale market. We supply a unique range of shelf-ready items to retailers and wholesalers.





Supercritical Fluid Extraction (SFE)

We utilise advanced thermodynamic precision to isolate target compounds without thermal degradation or residues. By reaching the supercritical state, where CO₂ exhibits both gas and liquid properties, we deliver ingredients of unmatched potency, widely used in pharmaceuticals, food, and cosmetics.

The Process

4: Zero-Residue Collection

The process produces a pure, solvent-free natural extract with full biological activity. CO₂ gas is recycled, making it eco-friendly and ensuring no toxic solvent residues are present in the final product.



Recycled
CO₂



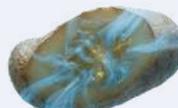
1 - Supercritical State Activation

We pressurise non-toxic, non-flammable carbon dioxide (CO₂) beyond 500 bar, creating a "supercritical state" that combines the permeation power of gas with the solvation capacity of liquid, enabling selective extraction.



2 - Selective Solvation

The supercritical fluid traverses raw plant material, selectively dissolving and capturing desired active compounds like pigments, vitamins, essential oils, and aromas, while excluding unwanted ones.



3: Phase Separation

The mixture is depressurized in a separator vessel, causing CO₂ to lose its solubility and revert to gas. This process quickly releases extracted compounds like vitamins and antioxidants without heat damage.





Supercritical Fluid Extraction (SFE)

We unlock ingredients tailored for highly unique pharmaceutical, medical and cosmetic needs, from specialised proteins to innovative compounds.



SFE Advantages



1 - Zero Solvent Residue

Final depressurisation eliminates residues, ensuring purity for clean-label and sensitive applications.



2 - Selective Extraction

This extraction method enables the selective extraction of specific compounds, providing manufacturers' R&D departments with endless opportunities.



3 - Maximum Bioactivity

This method preserves the biological activity of sensitive compounds like vitamins, antioxidants, and essential oils that may degrade with other extraction methods.

Infinite Formulation Possibilities

1 - Triple Form Extracts

We provide three different extract forms from any source to tailor for highly unique pharmaceutical and medical needs.



2 - Precision Engineering

From cognitive support compounds to specialised protein isolation, our extraction methods deliver the precision your innovation demands.



3 - Compounds for Wellness

Custom extraction of bioactive compounds designed to address cognitive decline, inflammation, and metabolic support, ensuring clinical efficacy and regulatory compliance.





Ultrasonic Extraction

We use advanced French technology to extract active compounds efficiently without heat or lengthy processing. Ultrasonic waves break down cell walls, preserving the integrity of sensitive ingredients like Saffron.

The Process

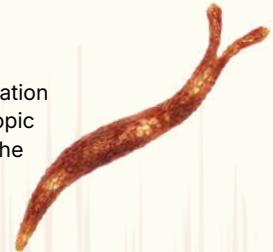
1 - Ultrasonic Activation

The raw plant material is soaked in distilled water and exposed to ultrasonic waves, a French-developed technology that uses specific frequencies to extract compounds without external heat.



2: Tissue Cavitation

Ultrasonic waves induce cavitation in a mixture, forming microscopic cavities within cell tissues of the stigma, enabling rapid solvent absorption.



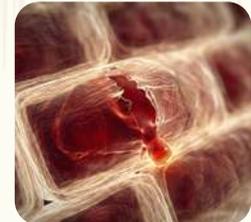
4: Active Compound Flow

When cell walls break down, the solvent penetrates the membrane, dissolving saffron's constituents to create a concentrated solution that retains the plant's color, taste, and aroma.



3: Cell Wall Demolition

Ultrasonic waves quickly break down plant cell walls, releasing effective materials and significantly reducing extraction time compared to traditional soaking methods.





Ultrasonic Extraction: Saffron Extract

Our saffron extract eliminates manual labour, delivering extraordinary colour, taste, and aroma with remarkable economy. This heat-free process unlocks saffron's complete spectrum of bio-actives, from mood elevation to cognitive clarity. This technology can be utilised for any spice, including but not limited to cardamom, ginger...



1: Unmatched Purity

Crocin (pigment), Picrocrocin (flavour), and Safranal (aroma) are fully preserved by the gentle, heat-free method.



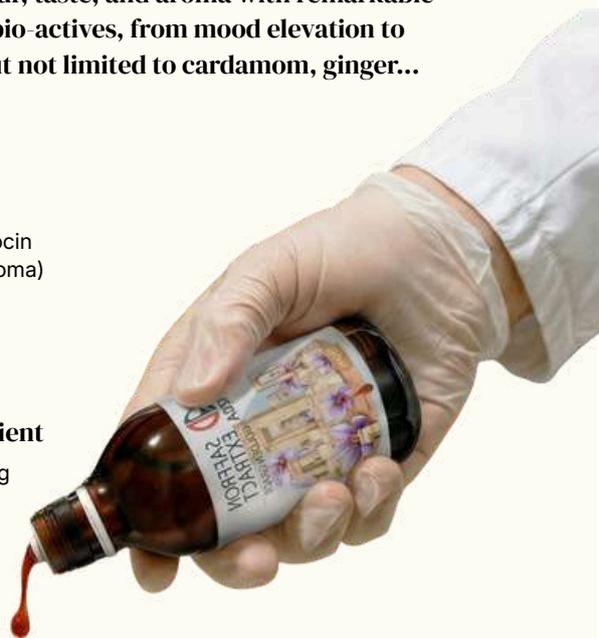
2: Economical & Efficient

Eliminates time-consuming methods of grinding and infusing, offering superior yield and economy.



3: Functional Health Benefits

Supports memory, immunity, and anti-inflammatory action, enabling novel nutraceutical and pharmaceutical applications.





SFE Extracts Portfolio

A comprehensive range of high-purity extracts, isolated via Supercritical Fluid Technology CO₂ for advanced formulation.



D/E Ratio:

20–33 : 1 Kg

Active Compounds:

Thymol, p-Cymene, γ-Terpinene

Shelf Life:

5 Years

Applications:



Food & Beverage
(Natural Preservative)



Dermo-Cosmetics
(Acne/Antifungal)



Nutraceuticals
(Digestive Health)



Access Full Profile:



Ajwain (Trachyspermum ammi)

A high-purity, antimicrobial Essential Oil standardised for Thymol content. Ideal for clean-label food preservation and advanced dermo-cosmetic formulations.





Black Pepper (Piper Nigrum)

A high-purity Essential Oil derived from Piper nigrum using state-of-the-art CO₂ SFE technology. Rich in Piperine, it is a key bio-enhancer for supplements and a potent active for dermo-cosmetics and functional foods.

D/E Ratio:

Upon Request

Active Compounds:

Piperine

Shelf Life:

Upon Request

Applications:



Food & Beverage
(Functional Flavouring)



Dermo-Cosmetics
(Circulation/Cleansing)



Nutraceuticals
(Bio-absorption)



Pharmaceuticals
(Anti-inflammatory)



Access Full Profile:





D/E Ratio:
14-17 : 1 Kg

Active Compounds:
1,8-Cineole, Terpinyl Acetate, Linalyl Acetate

Shelf Life:
5 Years

Applications:



Food & Beverage



Cosmetics
(Perfumery/Antimicrobial)



Nutraceuticals
(Digestive Health/Stimulant)

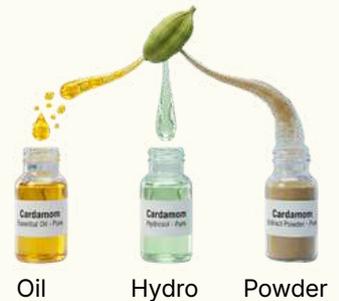


Access Full Profile:



Cardamom (Elettaria Cardamomum)

A high-purity Essential Oil derived from Green Cardamom fruit. Rich in 1,8-Cineole and Terpinyl Acetate, it delivers a potent, sweet-spicy aroma for luxury perfumery, digestive health supplements, and premium culinary flavouring.





D/E Ratio:

42-59 : 1 Kg

Active Compounds:

Cinnamaldehyde, Cinnamyl Acetate

Shelf Life:

5 Years

Applications:



Food & Beverage
(Confectionary/ Bakery)



Oral Care
(Toothpaste/Mouthwash)



Perfumery



Pharma
(Digestive/Respiratory)



Access Full Profile:



Cinnamon (Cinnamomum Ceylanicum)

A warm, aromatic-fruity essential oil derived from organic cinnamon bark. High in Cinnamaldehyde, it is a premier active for oral care formulations and a potent natural flavour for confectionery.





D/E Ratio:

4-6 : 1 Kg

Active Compounds:

Alpha, Beta, Gamma, Delta, Epsilon Carotene.

Shelf Life:

2 Years

Applications:



Food & Beverage
(Natural Colour/ Flavour)



Dermo-Cosmetics
(Anti-Aging/Suncare)



Nutraceuticals
(Eye Health/Vitamin A)



Access Full Profile:



Carrot (Daucus Carota)

A rich source of beta-carotene, which is converted to vitamin A in the body, and standardised in organic sunflower oil for stability. Ideal as a natural yellow-orange colorant and a potent anti-aging active for mature skin.





D/E Ratio:

10 : 1 Kg

Active Compounds:

Caffeine, Methylpyrazine, Furfuryl Acetate, 2-furanmethanol and 5-methylfurfural.

Shelf Life:

2 Years

Applications:



Food & Beverage
(Flavouring/ Ice Creams)



Cosmetics
(Sun Care/ Moisturising)



Perfumery
(Gourmand Notes)



Coffee Beans (Coffea Arabica)

A rich, aromatic essential oil extracted from roasted Arabica beans. Captures the authentic profile of fresh coffee with active Caffeine and Furans. Ideal for premium confectionery, beverages, and functional skincare.

Access Full Profile:





D/E Ratio:

Upon Request

Active Compounds:

Oleic Acid, Proanthocyanidins, Polyphenols.

Shelf Life:

Upon Request

Applications:



Functional Foods
(Coffee Alternatives)



Cosmetics
(Anti-Aging/Antioxidant)



Nutraceuticals
(Kidney/Liver Health)



Adhesives



Date Kernel (Phoenix dactylifera)

A sustainable, high-value extract derived from date seeds. Rich in Oleic Acid and Proanthocyanidins, it offers potent antioxidant protection and is traditionally valued for kidney and liver support.



Access Full Profile:



Oil

Hydro

Powder



D/E Ratio:

70–80 : 1

Active Compounds:

1,8-Cineole, α -Pinene, Limonene, γ -Terpinene

Shelf Life:

2 Years

Applications:



Personal Care
(Mouthwash/
Dental)



Derma-Cosmetics
(Pain Relief/ Muscle
Rubs).



Pharma (Respiratory/
Expectorant)



Oil Hydro Powder

Eucalyptus (Eucalyptus globulus)

A highly concentrated, pale-yellow oil rich in 1,8-Cineole. Renowned for its potent respiratory benefits, antimicrobial efficacy, and ability to relieve muscle and joint pain.

Access Full Profile:





D/E Ratio:

Upon Request

Active Compounds:

Boswellic Acids, Essential Fatty Acids

Shelf Life:

2 Years

Applications:



Oral Care (Gums)



Aromatherapy
(Stress/Memory)



Dermo-Cosmetics
(Anti-Aging/Scar Repair)



Pharma (Anti-inflammatory/Arthritis)



Frankincense (*Boswellia Serrata*)

A sacred resin extract revered for millennia. Rich in Boswellic Acids and terpenes, it offers powerful anti-inflammatory support for joint health and exceptional skin-rejuvenating properties for luxury cosmetics.



Access Full Profile:





D/E Ratio:

Upon Request

Active Compounds:

Allicin (Thiosulfonates), Ajoene, Vinylthiols.

Shelf Life:

Upon Request

Applications:



Nutraceuticals
(Heart Health/Cholesterol)



Adhesives
(Industrial Bio-agents)



Nutraceuticals
(Heart Health/Cholesterol)



Pharma
(Antibiotic/Hypertension)



Garlic (Allium Sativum)

A potent, standardised extract derived from fresh garlic bulbs. Rich in Allicin and sulphurous compounds, it offers powerful cardiovascular support and broad-spectrum antimicrobial activity without the harsh off-notes of traditional powders.

Access Full Profile:



Oil

Hydro

Powder



D/E Ratio:

43 - 56 : 1Kg

Active Compounds:

α-Zingiberene, Ar-Curcumene, Citral,
Pungent Compounds/ Shogaols,

Shelf Life:

5 Years

Applications:



Food & Beverage
(Flavouring/ Drinks)



Nutraceuticals
(Digestive
Health/Nausea)



Perfumery
(Fresh/Spicy Notes)



Access Full Profile:



Ginger (Zingiber Officinale)

A vibrant, clear yellow oil capturing the fresh "Verbena-Citrus" top notes of raw ginger. High in Zingiberene and low in pungency, making it an ideal "true-to-nature" flavour for beverages and a sophisticated heart note for perfumery.





D/E Ratio:

Upon Request

Active Compounds:

Total Citral: E-Citral/Geraniol, Z-Citral/Neral.
 Minor actives: 9-Hexadecenoic acid,
 Nerolidol, trans-Caryophyllene

Shelf Life:

Upon Request

Applications:



Food & Beverage
 (Tea/Asian Cuisine
 Flavouring)



Home Care Products



Perfumery (Citrus
 Top Notes)



Personal Care (e.g. Natural Deodorant)



Access Full Profile:



Lemon Grass (Cymbopogon citratus)

A refreshing, yellow liquid oil defined by an intense lemon-citrus aroma. Standardised to >75% Citral content, it is a powerhouse natural antimicrobial and a premium top-note for functional fragrances and flavourings.



Oil

Hydro

Powder



D/E Ratio:

20:1 Kg

Active Compounds:

Lycopene, Essential Fatty Acids, Vitamin E.

Shelf Life:

2 Years

Applications:



Nutraceuticals
(Heart & Bone Health)



Food & Beverage
(Functional Additive)



Dermo-Cosmetics
(Anti-aging/UV Protection)



Lycopene (Solanum Lycopersicum)

A nutrient-dense extract derived from organic tomato skins. Naturally rich in Lycopene, Vitamin E, and essential fatty acids, it serves as a potent antioxidant for cardiovascular support and high-end restorative skincare.

Access Full Profile:



Oil

Hydro

Powder



D/E Ratio:
25–50 : 1Kg

Active Compounds:

Menthol, Menthone , Menthyl acetate,
Menthofurane

Shelf Life:

5 Years

Applications:



Food &
Beverage



Nutraceutical



Oral Care



Cosmetics



Pharmaceuticals



Peppermint (*Mentha piperita*)

A high-purity, concentrated extract derived from organic *Mentha piperita* leaves. Rich in Menthol for a powerful cooling effect, it is a clinically recognised active for digestive health, oral care, and aromatic therapy.

Access Full Profile:



Oil

Hydro

Powder



D/E Ratio:

15 : 1 Kg

Active Compounds:

Limonene, Flavonoids, Terpenoids, Vitamin C, and Linalool.

Shelf Life:

2 Years

Applications:



Neutraceutical



Aroma-therapy



Dermo-Cosmetics



Spa & Wellness



Access Full Profile:



Orange Peel (Citrus Sinensis L.)

A reddish-yellow oil rich in flavonoids and Vitamin C. This dual-action extract serves as both a muscle-relaxant for physical recovery and a potent "brightening" active for skincare and mood-enhancement.



Oil

Hydro

Powder



D/E Ratio:

Upon Request

Active Compounds:

Polyphenols, Flavonoids, Tocopherols, and Unsaturated Fatty Acids.

Shelf Life:

2 Years

Applications:



Food & Beverage



Dermo-Cosmetics



Pharmaceuticals



**PISTACHIO HULL
ESSENTIAL OIL**
SUPERCRITICAL FLUID EXTRACTION

Access Full Profile:



Pistachio Hull (Pistacia Vera)

A sustainable, antioxidant-rich extract derived from the soft external shell of the pistachio. Powerfully protective with anti-melanogenic properties, it is an ideal active for high-performance brightening skincare and pharmaceutical stability.





D/E Ratio:

Upon Request

Active Compounds:

Punicic Acid (Omega-5), 17-beta-Estradiol, Phytosterols, Tocopherols (Vitamin E)

Shelf Life:

2 Years

Applications:



Food & Beverage



Dermo-Cosmetics



Pharmaceuticals



Nutraceutical

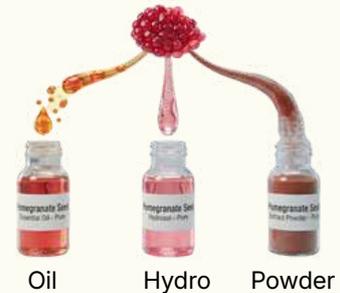


Access Full Profile:



Pomegranate Seed (Punica Granatum)

A rare, lipid-rich extract isolated via Supercritical extraction featuring a concentrated source of Punicic acid (Omega-5) and plant-derived phytoestrogens for advanced hormonal balance and deep-tissue skin regeneration





D/E Ratio:

Upon Request

Active Compounds:

Safranal

Shelf Life:

10 Years

Applications:



Aroma-therapy



Dermo-Cosmetics



Luxury Perfumery



Safranal (Oil)

The "main cause of saffron's unique odour." This pure essential oil is the heart of saffron aromatherapy, offering potent neuropsychological effects and an incomparable aromatic profile for luxury perfumery.

Access Full Profile:



Oil

Hydro

Powder



D/E Ratio:

Upon Request

Active Compounds:

Sesamin, Vitamin E, Phytosterols , and Essential Fatty Acids.

Shelf Life:

Upon Request

Applications:



Premium Food & Beverage



Nutraceutical



Cosmetics & Haircare



Natural Medicine



Access Full Profile:



Sesame

(Sesamum indicum)

A pristine, highly aromatic oil capturing the volatile "select" fraction of the mint leaf. Potently antimicrobial and invigorating, it is the premier choice for luxury cosmetics, fragrances, and therapeutic-grade oral care.



Oil

Hydro

Powder



D/E Ratio:

Upon Request

Active Compounds:

Menthol (Concentrated), Menthone, and Limonene.

Shelf Life:

Upon Request

Applications:



Personal Care



Perfumery



Dermo-Cosmetics



Access Full Profile:



Mint (Mentha Arvensis)

A pristine, highly aromatic oil capturing the volatile "select" fraction of the mint leaf. Potently antimicrobial and invigorating, it is the premier choice for luxury cosmetics, fragrances, and therapeutic-grade oral care.



Oil

Hydro

Powder

Technical Support & Expanded Portfolio

Beyond this curated selection, CSL manages an evolving portfolio of bioactive fractions tailored for specialised industry needs. Access our real-time database or request specific regulatory documentation via our Technical Hub

Scan to view All Extracts:



Request TDS/ COA :





Ultra-Sonic Extracts Portfolio

Using advanced French technology, we isolate active compounds without thermal degradation, ensuring unmatched potency and molecular integrity for sensitive botanical profiles.



Dry vs Extract Comparison

Saffron	Saffron Extract
57.5 gr	250 ml

D/E Ratio:

4.4:1 Kg

Active Compounds:

Crocin (Color), Safranal (Aroma), Picrocrocin (Flavour)

Shelf Life:

2 Years

Applications:



Food & Beverage



Dermo-Cosmetics



Pharmaceuticals



Saffron Extract Gold (Crocus Sativus)

DIZBA Saffron Extract is a potent liquid derived from premium saffron using ultrasonic wave extraction. Boasting a 95% efficiency in retaining active compounds, this extract serves as an ideal ingredient for pharmaceutical, nutraceutical, and high-end culinary purposes.

Benefits:



Cost Effective



Bio-Active Efficiency



Cost Effective



Industry Integration: Saffron Extract in Application

Showcasing the versatility and stability of our
flagship extract across the global food sectors.



UK Retail & Wholesale Sector

We partner with innovative global brands to guarantee retail and wholesale growth. Our model leverages long-established trust to secure prime merchandising and deliver market acceleration unavailable through conventional distribution.





Three ways we grow your brand

1: Proven Retail and Wholesale Expansion

Our comprehensive network reaches beyond chain supermarkets into prominent national wholesalers, achieving mass market coverage and sales growth that exceeds distribution from a single agent.



2: Trust-Based Merchandising Advantage

We actively leverage our established customer trust with major retailers to secure optimal shelf positioning, executing in-store merchandising strategies that drive high impression rates and sales velocity.



3: Collaborative Brand Optimisation

We treat your brand as a true partner. We exchange market intelligence to co-design strategy, suggest product refinements, and optimise packaging to guarantee continuous appeal.





Our Partner Portfolio

We represent leading, innovative brands including Mostafavi Saffron, Tarvand Saffron, Saffravita, and Telavang. Each partner meets our rigorous standards for product quality, ensuring consistent branding and market success.





Quality Assurance & Global Compliance

A rigorous framework of certification ensuring safety, traceability, and clinical excellence across our supply chain.





Saffron Products





0.5 Gram



1.0 Gram



2.0 Gram



3.0 Gram





0.25 Gram



0.5 Gram



1.0 Gram



2.3 Gram



4.6 Gram





SAFFRATIVA

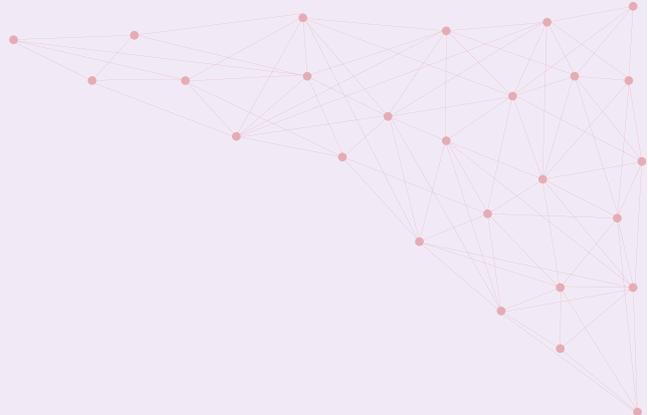


Organic 2.0g



Saffron Powder Products





5.0 Gram Powder





0.5 Gram Powder



Extracts





Thyme Extract



Rose Extract



Ginger Extract



Cardamom Extract



Thyme + Saffron
Extract



Rose + Saffron
Extract



Ginger + Saffron
Extract



Cardmom + Saffron
Extract



DIZBA

An Ancient Taste



Saffron Extract
(3.5g)



Teas





Black Tea +
Cardamom & Rose



Black Tea +
Saffron



Black Tea & Ginger



Saffron Tea



Cinnamon Tea



Green Tea & Saffron



Herbal Teas





Mostafavi



Borage & Lemon
Herbal Tea



Ginseng & Saffron
Herbal Tea



Quince & Saffron
Herbal Tea



Thyme & Saffron
Herbal Tea



Hibiscus & Red Berry
Fruits Herbal Tea



Selected Box Herbal
Tea



Saffron, Cardamom,
Rose Herbal Tea



Natural Supplements





Ginseng, Ginger
and Honey Shot



Ginger, Lemon and
Honey Shot



Turmeric, Ginger
and Honey Shot





تلاونگ



Chocolate Egg White Protein Bar 14Gr



Peanut Egg White Protein Bar 13Gr



Red Berry Egg White Protein Bar 13Gr



NOTES:

- No Added Sugar
- Sweetened with Date Syrup
- No Additives



Seasonings & Powders





Saffron Jelly Powder



Curry Seasoning & Saffron Powder



Kentucky Saffron Powder



Saffron Dessert Powder



Saffron & Rose
Yoghurt Seasoning



Saffron & Mint
Yoghurt Seasoning



Honey





Saffron Honey



Chewing Gums





OKO



Saffron
Chewing Gum



Barberry
Chewing Gum



Coffee
Chewing Gum



Frankincense &
Thyme
Chewing Gum



CULINARY SENSATION LTD.

**For R&D and Manufacturing
Project Support.**



**For Retail & Wholesale and
General Inquiries.**



Culinary Sensation Ltd is the gateway for botanical innovations in the UK and the Middle East. Whether you are formulating your next innovative product or expanding a premium retail portfolio, we provide the purity, precision, and partnership required for success.

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