

Satvayur Extracts Limited



life nurturing pure essences



**Your manufacturing partner for pure botanical
extracts using supercritical CO₂ technology**

NATURAL INGREDIENTS

"Aushadham Uchyate Sarvam" - Food is the supreme medicine and healer of all.
– Ancient Indian text.

"Herbs are like strong food supplements, and should be taken on a regular basis. Right nutrition is not only taking our daily bread but also our daily herbs." - Dr David Frawley

Natural ingredients are pure extracts of herbs, spices and other plants, primarily used in the nutraceutical, dietary supplements and pharmaceutical industries.

Man has been using plants as healing sources for common or complex ailments from centuries, for either curing them or alleviating their symptoms. This is primarily due to the healing properties of phytochemicals like alkaloids, tannins, phenols, steroids, flavonoids, oils, etc. which are present in different plant parts like leaves, flowers, stems, roots, bark, seeds, fruits, etc. In modern medicine and health applications, many active compounds from plants are extracted from the specific plant part for their unique properties like antioxidant, antifungal, antibacterial, anti-inflammatory, anti-viral, etc..



Advantages of CO₂ extracts in Nutraceutical / Dietary Supplements

- Whole or selective extractions of herbs and spices. For example, the anti-oxidant fraction could be selectively added to the nutraceutical formulation without the unwanted aroma of strong smelling antioxidant herbs like garlic or rosemary, or allergens from specific botanicals
- Higher extraction concentrations, higher yields and higher levels of purity.
- Standardised concentration of active ingredients
- Higher purity, desirable for long-term consumptions of nutraceuticals and dietary supplements

Advantages of CO₂ extracts in Pharmaceuticals

- Better bio-efficacy of natural extracts in contrast to synthesised or chemically manufactured ones
- Minimal or no side-effects like short-term allergic reactions, long-term organ malfunctions, or drug-resistance
- Selective extraction enables the combining of modern pharmaceutical manufacturing processes with healing properties of herbs and plants
- No thermal degradation of the extract
- CO₂-SCFE has a natural edge on specificity

Pure Ingredients from Satvayur for Nutraceutical and Pharmaceutical applications:

Ginger CO₂ Extract Standardized for Gingerols (*Zingiber officinale*)

Ginger has been considered as a prophylactic and cure for many problems. It is very wide-ranging and versatile in its application and uses. Ginger is listed in the pharmacopeia's of most countries like India, China, Germany, USA. Use of ginger has been documented in ancient texts of Ayurveda by Sushruta and Charaka, the ancient Indian science for healing (the science of life) in the Sanskrit language. It is also mentioned in traditional Chinese medicine texts and ancient texts of Greek, Arabic and Roman medical literature like Dioscorides' De Materia Medica. Its mention in the ancient texts were primarily for its carminative, digestive, gastric stimulant, anti-emetic, anti-phlegm and anti-inflammatory properties.

In modern day medicine, clinical trials of ginger extracts have proven their efficacy as:

- an anti-emetic - for tackling motion sickness, anti-nausea especially for pregnancy-induced nausea, and in post-operative and post-chemotherapy nausea and vomiting, a prophylactic against sea-sickness and treatment for vertigo
- a carminative – for patients with anorexia nervosa. Also as an ameliorative for ulcerative colitis
- an immunity booster especially for prevention of colds and flus because of its "warming" effect
- an anti-inflammatory - especially in cases of osteoarthritis and rheumatoid arthritis, and for muscle, ligament and cartilage injuries
- an anti-carcinogenic – especially in inhibiting growth of colorectal cancer cells and for killing ovarian cancer cells
- as a stroke preventer – due to its blood thinning effect and impact on human platelet count
- as an antibiotic and anti-fungal – especially in staphylococcus-caused respiratory tract infections, periodontal and some skin infections
- as an anti-diabetic medication for prevention and controlling diabetes, cholesterol and blood fats



Other natural ingredients from Satvayur

Rosemary CO₂ extract

natural ingredients | natural fragrances | natural flavours



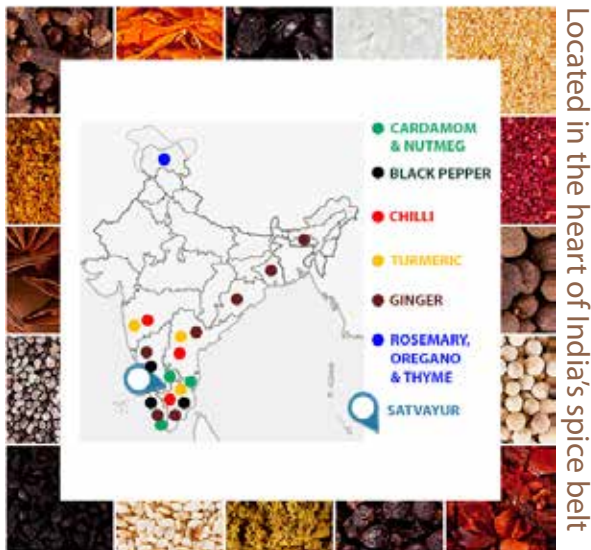
Product Portfolio

Ginger Extract standardised for Gingerols

Ginger Extract standardised for Shogaols

Ginger Oil | Rosemary Extract

Rosemary Essential Oil | Vetiver Essential Oil



Located in the heart of India's spice belt

Satvayur Extracts Limited

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