

# SCFE-CO<sub>2</sub> HERBAL EXTRACTS

Functional Foods  
for a Healthy Life  
& Sustainable Future



**AMEL**  
Extract

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# HERBS & AROMATIC PLANTS

Natural savoury flavour ingredients for  
culinary and functional foods.

## Key Extracts

Rosemary • Sage • Mint • Basil • Oregano • Thyme  
Lemon Balm • Verbena • Savory • Lavender • Chamomile

### Key Chemical Compounds

- 🧪 Rosmarinic acid
- 🧪 Carnosic acid
- 🧪 Carnosol
- 🧪 Thymol
- 🧪 Carvacrol
- 🧪 Menthol
- 🧪 Menthone

### Food Applications

- 🍴 Savoury flavour systems
- 🍴 Sauces & dressings
- 🍴 Meat marinades
- 🍴 Plant-based foods
- 🍴 Functional oils
- 🍴 Ready meals
- 🍴 Gourmet cuisine

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Matching Multi-Page Catalogue System

Seven chapters categorised by colour ● ● ● ● ● ● ●

# FRUITS, BLOSSOMS & BOTANICAL FRUIT MATERIALS

Natural fruity-acidic and antioxidant  
flavour ingredients.

## Key Extracts

Hibiscus • Rose Hip • Orange Peel • Orange Blossom •  
Elderberry • Hawthorn • Blueberry • Raspberry Leaf

### Key Chemical Compounds

- Anthocyanins
- Organic fruit acids
- Flavonoids
- Tannins
- Vitamin-associated fractions
- Citrus terpenes
- Limonene
- Phenolic acids

### Food Applications

- Functional beverages
- Herbal drinks
- Gummies & confectionery
- Nutraceutical syrups
- Wellness teas
- Fruit flavour systems



# RESINS, WOODS & FOREST MATERIALS

Deep functional, aromatic and wellness flavour bases.

## Key Extracts

Frankincense • Oakmoss • Juniper • Pine • Conifer Cone

### Key Chemical Compounds

- 🧪 Boswellic acids
- 🧪 Resin acids
- 🧪 Terpenoids
- 🧪 Sesquiterpenes
- 🧪 Monoterpenes
- 🧪 Borneol
- 🧪 Pinene

### Food Applications

- 🍷 Functional tonics
- 🍷 Herbal elixirs
- 🍷 Bitter systems
- 🍷 Digestive formulations
- 🍷 Specialty beverages



# BY-PRODUCTS & CIRCULAR ECONOMY MATERIALS










Sustainable flavour ingredients from agro-industrial valorisation.







## Key Extracts

Olive Pomace • Almond Pomace • Walnut Husk • Grape Seeds  
Grape Skins • Grape Skins • Grape Stems

### Key Chemical Compounds

-  Polyphenols
-  Proanthocyanidins
-  Hydroxytyrosol
-  Oleuropein
-  Tannins
-  Resveratrol
-  Flavonoids

### Food Applications

-  Functional oils
-  Antioxidant systems
-  Nutraceutical foods
-  Oil stabilisation
-  Functional bakery
-  Fortified snacks



# SPICES & PUNGENT BOTANICALS



High-impact flavour actives for  
savoury innovation.

## Key Extracts

Chili • Cinnamon • Bay Laurel

### Key Chemical Compounds

- 🧪 Capsaicin
- 🧪 Cinnamaldehyde
- 🧪 Eugenol
- 🧪 Cineole
- 🧪 Terpenes
- 🧪

### Food Applications

- 🍴 Spicy sauces
- 🍴 Meat products
- 🍴 Ready meals
- 🍴 Snack seasonings
- 🍴 Functional bakery
- 🍴 Fortified snacks







# FLOWERS & ORNAMENTALS







## Positioning

### Key Compounds

-  Capsaicin
-  Cinnamaldehyde
-  Eugenol
-  Cineole


### Applications

-  Botanical beverages
-  Floral confectionery
-  Premium teas
-  Functional desserts






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