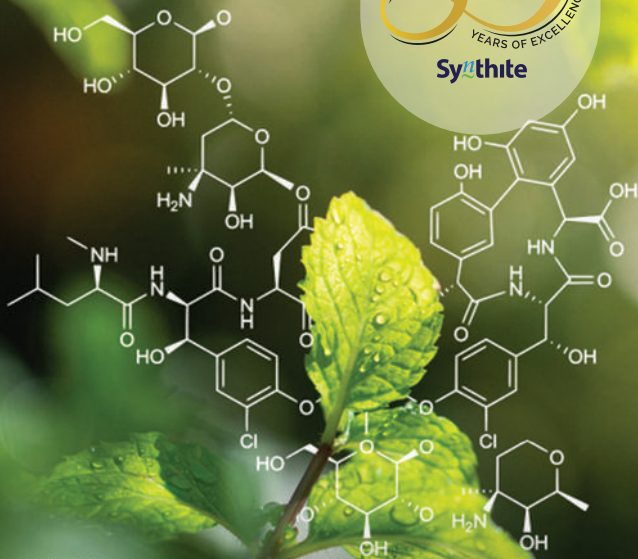


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## **RESTORING THE HEALING POWER OF AGE-OLD SPICES**

Spices have always been there with their intoxicating allure and that continues to change the taste dynamics of every cuisine in the world. The consumption of spices can be dated back to the Egyptians when spices were used for mummification. Spices continued its saga around the world from Michelin starred kitchens to street vendors. In culinary applications spices are used for taste, flavour, colour and sometimes as preservatives. Moreover, spices hold extensive medicinal potential, which is relatively unexplored.

Contemporary healthcare focuses more on the positive aspects of diet. There has been a paradigm shift in the concept of diet. From mere nutrition to cancer treatment, food is drawing broader perspectives and spices are having an astounding potential in this aspect.

From day to day detox to cancer cure and from stimulant to neural regeneration, spices have many roles as medicinal ingredients. Spices have been shown to be indispensable for daily human health. Besides adding flavour and taste to dishes, they help prevent and alleviate various health problems. Over the last few years, several bioactive compounds have been isolated from spices, providing a scientific basis for the use of spices in our diet.

## Botanical extracts

Product	Botanical name	Specification	Application
Amla	<i>Embolica officinalis</i>	40%, 50% Tannins, 40% Polyphenols UV Spectrophotometric	Digestion & gut health, immunity booster, respiratory disorders, antioxidant, skin & hair care
Ashwagandha	<i>Withania somnifera</i>	1.5% Withanolides Gravimetry	Relieves stress & anxiety, boosts immunity, Anti-inflammatory, anti-cancer, increases male fertility, aids muscle growth
Bacopa	<i>Bacopa monnieri</i>	20%, 40% Bacosides HPLC	Memory enhancer, relieve stress & anxiety, treat Alzheimers disease
Black Pepper	<i>Piper nigrum</i>	95% Piperine HPLC	Treats respiratory disorders, aids digestion, helps blood circulation and relieves joint pain
Boswellia	<i>Boswellia serrata</i>	65% Boswellic acids, 40% AKBA HPLC	Anti-inflammatory, chemoprotective agent, maintains immune balance
Capsicum	<i>Capsicum annum</i>	95% Capsaicin HPLC	Thermogenic & appetite control, reduces hypertension & obesity, analgesic and helps to prevent Atherosclerosis
Chebula	<i>Terminalia chebula</i>	40% Tannins UV Spectrophotometric	Hypolipidemic , neuroprotective agent, fights Alzheimers
Cinnamon	<i>Cinnamomum zeylanicum</i>	15% Polyphenols UV Spectrophotometric	Lower blood glucose, blood pressure & serum cholesterol, antioxidant, anti-inflammatory
Fenugreek	<i>Trigonella foenum-graecum</i>	50% Saponins Gravimetry	Controls type 2 diabetes, Lactation aid, reduce cholesterol levels, aids digestion
Garcinia	<i>Garcinia cambogia</i>	50%, 60% HCA HPLC	Aids weight loss, regulates blood glucose levels and controls appetite
Ginger	<i>Zingiber officinalis</i>	5% Gingerols HPLC	Antioxidant, digestive aid and potent antinausea agent
Green Coffee	<i>Coffea robusta</i>	50% Chlorogenic acid HPLC	Weight management, antidiabetic
Green Tea	<i>Camellia sinensis</i>	90% polyphenols, 40% EGCG UV Spectrophotometric, HPLC	Antioxidant, reduces risk of cardiovascular diseases, weight management

## Botanical extracts

Product	Botanical name	Specification	Application
Guggul	<i>Commiphora mukul</i>	2.5% E&Z Guggulsterones HPLC	Regulates cholesterol, reduce Osteoarthritis, weight management
Gymnema	<i>Gymnema sylvestre</i>	25%, 75% Gymnemic acid Gravimetry	Anti-diabetic, anti-inflammatory, hypercholesterolemia, weight loss
Hadjod	<i>Cissus quadrangularis</i>	2.5 - 3 % Ketosteroids HPLC	Healing of fractured bones, reduce obesity
Holy Basil	<i>Ocimum sanctum</i>	2%, 10% Ursolic acid HPLC	Relives anxiety & stress, maintains dental hygiene, reduces asthma & bronchitis
Licorice	<i>Glycyrrhiza glabra</i>	6%, 20% Glycyrrhizin HPLC	Digestive support, expectorant, antiulcer
Lutein	<i>Tagetes erecta</i>	10%, 20% 75% Lutein HPLC	Eye care, cosmeceuticals, natural food colour
Pineapple	<i>Ananas comosus</i>	250 GDU, 2500 GDU Bromelain Titration	Effective for cardiovascular health, against osteoarthritis, anti-inflammatory, anticancer
Rosemary	<i>Rosmarinus officinalis</i>	20% Carnosic acid HPLC	Antioxidant, anti-inflammatory, improves cognition
Shatavari	<i>Asparagus racemosus</i>	30% Saponins Gravimetry	Adaptogen, gastrointestinal wellness, fights diarrhoea
Tribulus	<i>Tribulus terrestris</i>	40% Saponins Gravimetry	Antiurolithic activity, antidiabetic activity, Anabolic
Triphala	<i>Emblica officinalis</i> , <i>Terminalia chebula</i> , <i>Terminalia bellirica</i>	40%, 80% Tannins Gravimetry	Gastro intestinal health, stress reducing, anti obesogenic, anti-diabetic
Turmeric	<i>Curcuma longa</i>	95%, 65%, 50%, 20%, 10% Curcumin HPLC	Anti-inflammatory, increase cardio vascular health, treatment of metabolic disorders, fights arthritis

## Botanical extracts

Product	Botanical name	Specification	Application
Phyllanthus	<i>Phyllanthus niruri</i>	5% Bitters Gravimetry	Anti-inflammatory, hypolipidemic, hepatoprotective, nephroprotective
Rosehips	<i>Rosa canina</i>	Polyphenols UV Spectrophotometric	Rich source of Vitamin C, immunity booster, skin care, against osteoarthritis & rheumatoid arthritis
Roselle	<i>Hibiscus subdariffa</i>	Proanthocyanidins UV Spectrophotometric	Helps fight osteoarthritis, Rich source of Vitamin C, Antioxidant
Vitex	<i>Vitex negundo</i>	3% Agnuside HPLC	Analgesic, skin care, women health
Saffron	<i>Crocus sativus</i>	12% Crocin UV Spectrophotometric	Fights depression, reduces premenstrual symptom, antioxidant
Jamun	<i>Syzygium cumini</i>	10% Tannins Gravimetry	Antidiuretic, controls blood glucose level
Flaxseeds	<i>Linum usitatissimum</i>	Fatty acids GC	Anti-inflammatory, cardiovascular support
Black Cumin	<i>Nigella sativa</i>	7% Thymoquinone HPLC	Boost immunity, reduces asthma, controls diabetes
Pelargonium	<i>Pelargonium sidoides</i>	Umckalin 0.1 - 0.3 % HPLC	Useful for respiratory conditions like cough, cold, sore throat, Antimicrobial, Antiviral and immunomodulatory
Gardenia	<i>Gardenia gummifera</i>	3 % Flavonoids UV Spectrophotometric	Useful in treating indigestion, tooth or gum diseases. Have antioxidant and hepatoprotective action
Sesbania	<i>Sesbania grandiflora</i>	Biotin 0.5 % , HPLC	Finds application in skin care and hair care, acts as an antioxidant
Guava Leaf	<i>Psidium guajava</i>	20% polyphenols UV Spectrophotometric, 5 % Zinc	Regulates blood glucose, antimicrobial, anti-inflammatory

## Granules

Curcumin 95%

Ginger 20%

Holy Basil

Bacopa

Nutmeg

Black pepper & Many More

## Non staining granules

Curcumin 95%

Holy Basil

Bacopa

## Phytochemicals /Crystalline isolates

Curcumin - *Curcuma longa*

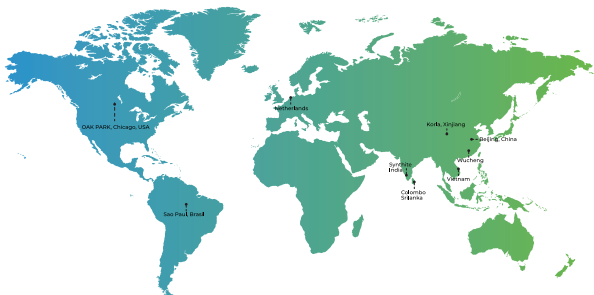
Piperine - *Piper nigrum*

Lutein - *Tagetes erecta*

Caffeine - *Camellia sinensis*

Capsaicin - *Capsicum annum*





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