



NUVVAGEN BIOSCIENCE (P) LTD

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NuVvaGen™
Powering the lifestyle revolution





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“The Herbal Advantage for Better Health”

NUVVAGEN BIOSCIENCE (P) LTD believes in the power of Herbal Extracts, Essential Oils and its ingrained purity. With the added assistance of modern technology and innovative practices, we have a range of unique products rooted in nature with plants extracts whose significance echoes through the historical pages of cure and healing.

We also provide Functional Food grade chemicals manufactured in GMP certified plant finding applications in various food categories.

“We adapt to the needs of our customers by generating solutions that combine the scientific know-how with the optimal industrial scaling, always guided by the strictest Quality Standards”



STANDARDIZED HERBAL EXTRACTS



Nuvvagen Bioscience is committed to nature for bringing the best of the Herbal Extracts with Modern science driven technology.

Common Name	Botanical Name	Marker Compound
Ashwagandha Extract	Withania Somnifera	Withanalooids 1.5%-5%
Amla Extract	Emblica Offcinalis	Tannins 20% to 40%
Arjuna Extract	Terminalia Arjuna	Tannins 30% , Arjunolic Acid 5%
Bacopa (Brahmi) Extract	Bacopa Monnier	Bacosides 10% to 50%
Bael Extract	Aegle Marmelos	Tannins >6%
Bhringraj Extract	Eclipa Alba	Bitter 4%
Boswellia Extract	Boswellia Serrata	Boswellic Acids 60% to 65%
Chirayata Extract	Swertia Chirata	Bitters 1% to 10%
Coleus Extract	Coleus Forskohlii	Forskolin 10-98%
Fenugreek Extract	Trigonella Foenumgraceum	Sapponins 45%
Ginger Extract	Zingiber Officinalis	Gingerols 5%
Garcinia Extract	Garcinia Cambogia	HCA 50-60 %
Garlic Extract	Allium Sativum	Allicin 1%
Ghokhroo Extract	Tribulus Terrestris	Saponins 20% to 60%
Giloya Extract	Tinospora Cordifolia	Bitters 2.5% to 5%
Green Coffee Bean Extract	Coffee Arabica	Chlorogenic Acid 45-60%
Green Tea Extract	Camellia Sinenis	Polyphenols 90%
Guggul Extract	Comiphora Mukul	Guggulsterones 2.5%
Guduchi Extract	Tinospora Cordifolia	Bitter 7.5%
Gurmar Extract	Gymnema Sylvestere	Gymnemic Acid 25%
Holy Basil (Tulsi) Extract	Ocimum Sanctum	Ursolic Acid 2%
Hadjod Extract	Cissus Quadraangularis	Ketosteroids 2.85%
Jatamansi Extract	Nardostachys Jatamansi	Alkaloids 0.25% to 0.5%
Licorice Extract	Glycyrrhiza Glabra	Glycyrrhiza <3%
Moringa Extract	Moringa Aliefera	Saponnin 20%
Mucuna Extract	Mucuna Pruriens	L Dopa 10%
Mulethi Extract	Glycyrrhiza Glabra	Glycyrrhizinic Acid 20% to 30%
Neem Leaf / Bark Extract	Azadirachta Indica	Bitters >2%
Noni Extract	Morinda Citrifolia	Saponins 10% to 40%
Papaya Fruit Extract	Carica Papaya	Flavonoids 0.5% to 2.5%
Long Piper Extract	Piper Longum	Piperine 2%
Punarnava Extract	Boerhaavia Diffusa	Alkaloids > 0.1%
Safed Musli Extract	Asparagus Adscendens	Sapponins 40%
Senna Extract	Cassia Angustifolia	Sennoside (A+B) 10% to 20%
Shatavari Extract	Asparagus Racemosus	Saponins 20%
Shilajit Extract	Asphaltum	Fulvic Acid 20%
Shankpushpi Extract	Convolvulus Pluricaulis	Alkaloids 1.75%,Bitters 3.5%
Turmeric Extract	Curcuma Longa	Curcummin 90%

THE WORLD OF ESSENTIAL OILS



Essential Oils are natural aromatic liquid substances of variable colour depending on the plant being extracted and obtained using the best of each plant. Each of these natural and organic essences have essential characteristics and a unique aroma. **Essential Oils** have historically been used in many cultures for their medicinal and therapeutic benefits. Based on these, today their use has expanded to new approaches, both in beauty and health.

Product	Botanical Name	Plant Part	Applications
ESSENTIAL OILS - SPICE OILS			
AJOWAN OIL	TRACHYSpermum AMMI	SEEDS	ANTIBACTERIAL, ANTIVIRAL, ANTI FUNGAL
ANISE OIL	PIMPINELLA ANISUM	SEEDS	CARMINATIVE, DIGESTIVE
BAY LEAF OIL	LAURUS NOBILIS	LEAVES	EXPECTORANT, ANTI RHEUMATIC
BLACK PEPPER OIL	PIPER NIGRUM	FRUIT	MUSCULAR ACHES AND PAINS
CARAWAY OIL	CARUM CARVI	SEEDS	ANTISEPTIC, ASTRINGENT
CARDAMON OIL	ELETTARIA CARDAMOMUM	SEEDS	ANTISEPTIC, APHRODISIAC, DIGESTIVE
CINNAMOMUM LEAF OIL	CINNAMOMUM ZEYLANICUM	LEAVES	ANTISEPTIC, CARMINATIVE, DIGESTIVE
CLOVE LEAF OIL	EUGENIA CARYOPHYLLUS	LEAVES	ANTISEPTIC, CARMINATIVE, DISINFECTANT
CORIANDER OIL	CORIANDRUM SATIVUM	LEAF	ANTISPASMODIC, CARMINATIVE, DIGESTIVE
CUMIN OIL	CUMINUM CYMINUM	SEEDS	CARMINATIVE, DIGESTIVE, STIMULANT
CURRY LEAF OIL	MURRAYA KOENIGII	LEAF	APHRODISIAC, CARMINATIVE
DILL SEED OIL	ANETHUM SOWA	SEEDS	STIMULATING, REVITALIZING, PURIFYING
FENNEL OIL	FOENICULUM VULGARE	SEEDS	DIURETIC, LAXATIVE, STIMULANT
FENUGREEK OIL	TRIGONELLA FOENUM	SEEDS	APHRODISIAC, LAXATIVE, DIABETIC
GARLIC OIL	ALLIUM SATIVUM	BULB	ANTISEPTIC, ANTI DIABETIC
GINGER OIL	ZINGIBER OFFICINALIS	RHIZOMES	ANTISEPTIC, BACTERICIDAL, CARMINATIVE
SAGE OIL	SALVIA OFFICINALIS	LEAVES	ANTI FUNGAL, ANTI OXIDANT, ANTISEPTIC
THYME OIL	THYMUS VULGARIS	LEAVES	ANTIRHEUMATIC, ANTISEPTIC
TURMERIC OIL	CURCUMA LONGA	RHIZOMES	ANTISEPTIC, APHRODISIAC, ANTI ARTHRITIC
ESSENTIAL OILS			
BASIL OIL	OCIMUM BASILICUM	LEAVES	ANTIDEPRESSANT, ANTISEPTIC
CAJEPUT OIL	MELALEUCA CAJUPUTI	LEAVES	ANTHELMINTHIC, EXPECTORANT, FEBRIFUGE
CAMPOR OIL	CINNAMOMNUM CAMPHORA	WOOD	ANTISEPTIC, ANTIVIRAL, BACTERICIDAL
CARROT SEED OIL	DAUCUS CAROTA	SEEDS	ANTISEPTIC, CARMINATIVE, DIURETIC
CHAMOMILE OIL (BLUE)	MATRICARIA CHAMOMILLA	FLOWERS	ANTISEPTIC, ANTIBIOTIC
CITRONELA OIL	CYBBOGON WINTERIANUS	LEAVES	ANTISEPTIC, BACTERICIDAL, DEODORANT
EUCALYPTUS OIL	EUCALYPTUS GLOBULUS	LEAVES	ANTISEPTIC, DEPURATIVE, DIURETIC
FRANKINCENSE OIL	BOSWELLIA SERRATA	RESIN	ANTISEPTIC, DIGESTIVE, DIURETIC
JASMINE OIL	JASMINUM GRANDIFLORUM	FLOWERS	ANTISEPTIC, APHRODISIAC
LAVENDER OIL	LAVANDULA OFFICINALIS	FLOWERS	ANTIOXIDANT, ANTISEPTIC, ANTIFUNGAL
LEMONGRASS OIL	CYBBOGON CITRATUS	LEAVES	ANTIDEPRESSANT, ANTISEPTIC
NUTMEG OIL	MYRISTICA FRAGRANS	LEAVES	ANTIOXIDANT, ANTISEPTIC
PEPPERMINT OIL	MENTHA PIPERITA	LEAVES	ASTRINGMENT, CARMINATIVE
ROSEMARY OIL	ROSMARINUS OFFICINALIS	LEAVES	ANTIBACTERIAL, ASTRINGMENT
SPEARMINT OIL	MENTHA PIPERITA	LEAVES	ANTISPASMODIC, ASTRINGMENT
TEA TREE OIL	MELALEUCA ALTERNIFOLIA	LEAVES	ANTISEPTIC, EXPECTORANT, FUNGICIDE



FUNCTIONAL FOOD GRADE CHEMICALS

Nuvvagen produces high quality Food Grade Chemicals which are manufactured in **WHO-GMP** Certified plant.

Product	Applications
Acetic Acid Glacial	Condiment, Pickling of vegetables and other foods.
Ammonium Carbonate	Active leavening agent
Ammonium Chloride	Yeast nutrient in breadmaking
Ammonium Dihydrogen Phosphate	Buffering agent, dough conditioner, leavening agent
Ammonium Persulphate	Bread enhancer, stabilises the structure of leavened bread.
Ascorbic Acid	Preservative, antioxidant or color stabilizer
Benzoic Acid	Preservative in food
Calcium Ascorbate	Anti-oxidants
Calcium Chloride Dihydrate	Sequestrant and firming agent
Calcium Phosphate Dibasic Dihydrate	Dough conditioner, yeast food
Citric Acid Anhydrous / Monohydrate	pH-control agent in foods, beverages
Dextrose	Nutritive sweetener
Disodium Hydrogen Phosphate	Emulsifier, texturizer, buffer
DL-malic Acid	Sour taste of fruits, and is used as a food additive
Ferrous Sulphate Heptahydrate	Dietary Supplement
Glycine	An amino acid, a building block for protein.
Hydrochloric Acid	Food acidulant
Magnesium Carbonate	Antacid & laxative
Magnesium Chloride Hexahydrate	Coagulant of tofa from soya milk, colour retention agent.
Magnesium Phosphate Dibasic	Acidity regulator, Anticaking agent, Antioxidant
Mannitol	Pleasant taste and mouthfeel as sweetner
Phosphoric Acid	Acidify foods and beverages, provides a tangy or sour taste
Potassium Carbonate	It is deliquescent
Potassium Citrate	Acidity in foods, buffering agent in sodas
Potassium Dihydrogen Phosphate	Buffer, neutralizing agent, sequestrant, yeast food
Propyl Gallate	Antioxidant
Propylene Glycol	Retain food colour pigments & provide for homogeneous distribution within the mixture.



Product	Applications
Sodium Ascorbate	Antioxidant and an acidity regulator
Sodium Citrate	Preservative.
Sodium Iodide	Food supplement.
Sodium Phosphate Monobasic Dihydrate	Thickening agent, leaving agent, emulsifier
Sodium Selenite	Antioxidant enzymes
Sodium Tartrate	Emulsifier and a binding agent
Sucrose	Sweetening ingredient
Tartaric Acid	Combined with baking soda to function as a leavening agent
Titanium Dioxide	Whitener
Zinc Chloride	Antiseptic, astringent
Zinc Sulphate Monohydrate	Zinc is important for growth and development of body tissues
Butylated Hydroxy Toluene (BHT)	Preservatives, mainly to prevent oils in foods from oxidizing
Butylated Hydroxy Anisole (BHA)	Antioxidant
Lactic Acid	Food preservative, curing agent, and flavoring agent.
Potassium Hydroxide	To give foods a longer shelf life or to make the foods thicker
Potassium Iodide	Dietary supplements
Potassium Nitrate	Preserve meats, food preservation
Sodium Benzoate	Bacteriostatic and fungistatic
Sodium Chloride	Seasoning in many foods
Sodium Hydroxide	Include washing or chemical peeling of fruits and vegetables
Sodium Metabisulphite	Food preservative for dried foods, like potato chips, raisins & apples.
Sorbic Acid	Antimicrobial agents often used as preservatives in food & drinks.
Tri Calcium Phosphate	Toothpaste, antacids, bone grafting material, baby powder,
Tri Sodium Citrate	Food additive, usually for flavor or as a preservative
Tri Sodium Phosphate	Antioxidant agents
Zinc Oxide	Used as an additive
Zinc Sulphate Heptahydrate	Astringent and emetic.