

1. Herbal Extracts Category

Product Name	Common Industry Use / Health Application
Acai Berry Extract	Rich in antioxidants; supports anti-aging, cellular health, and metabolic function.
Acerola Cherry Extract	Extremely rich natural source of Vitamin C; boosts immunity and skin collagen synthesis.
Ajwain Extract	Promotes digestive health, relieves flatulence, and exhibits anti-microbial properties.

Akarkara Extract

Traditionally used to support libido, nervous system vitality, and oral health.

Aloe Vera Extract

Widely utilized for skin hydration, tissue repair, soothing the gut lining, and laxative support.

Amatas Extract

Used in traditional formulations as a natural laxative and body detoxifier.

Amla Extract

High in tannins and Vitamin C; a potent antioxidant for hair, skin, and immune health.

Anar Chilka Extract

Pomegranate peel extract; high in polyphenols for cardiovascular and gut lining health.

Apamarga Extract

Used in traditional medicine for kidney, urinary tract health, and digestive comfort.

Apple Extract

Rich in polyphenols (like phloridzin); supports weight management and glycemic control.

Arjuna Extract

Traditional cardiotonic; strengthens heart muscles and regulates optimal blood pressure.

Artichoke Extract

Stimulates bile production; directly supports liver detoxification and lipid metabolism.

Ashoka Chaal Extract

Celebrated uterine tonic; helps regulate menstrual cycles and supports female reproductive health.

Ashwagandha Extract

Premier adaptogen; lowers cortisol levels, reduces stress, and boosts physical stamina.

Astragalus Membranaceus Extract

Potent immune modulator; supports longevity, T-cell activation, and respiratory health.

Bacopa Extract

Nootropic compound (Brahmi); enhances memory retention, cognitive focus, and synaptic speed.

Baheda Extract

Component of Triphala; supports respiratory health, hair vitality, and gentle laxation.

Banaba Extract

Contains corosolic acid; supports healthy insulin sensitivity and blood glucose balance.

Berberine Extract	Activates AMPK pathways; manages blood sugar levels, metabolic parameters, and gut microflora.
Bhringraj Extract	Renowned for hair follicle rejuvenation, preventing premature greying, and liver protection.
Bhui Amla Extract	Strong hepatoprotective agent; traditionally used to manage liver disorders and viral hepatitis.
Bidarikand Extract	Rejuvenating anti-aging tonic; supports strength, weight gain, and lactation.

Bilberry Extract

High in anthocyanins; improves microcapillary circulation in eyes and relieves visual fatigue.

Bitter Melon Extract

Contains charantin; naturally mimics insulin to assist in glycemic control.

Black Cohosh Extract

Phytoestrogenic support; widely prescribed for menopausal hot flashes and mood fluctuations.

Black Currant Extract

High in vitamins and anthocyanins; protects cardiovascular pathways and eye health.

Black Pepper Extract

Source of piperine; dramatically enhances the bioavailability of other nutrients in the gut.

Blueberry Extract

High neurological protection value; supports cognitive longevity and vascular elasticity.

Burdock Seed Extract

Blood purifier and diuretic; clears skin toxins and inflammation from within.

Butterbur Nut Extract

Used to ease migraine frequencies and block seasonal environmental allergen pathways.

Cat's Claw Extract

Strongly anti-inflammatory; supports joint comfort in osteoarthritis and immune defenses.

Chaste Berry Extract

Balances progesterone/estrogen ratios; manages PMS symptoms and hormonal acne.

Chireta Extract

Highly bitter tonic; acts as a natural antipyretic, liver stimulant, and blood purifier.

Chitrakmool Extract

Ignites digestive fire; highly useful in managing slow metabolism and gastrointestinal gas.

Chlorella Powder	Green microalgae used for heavy metal detoxification, immune support, and micronutrient delivery.
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Cissus Extract	(Hadjod); accelerates bone fracture healing, joint tissue repair, and downregulates pain.
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Citrus Aurantium Extract	Contains synephrine; used as a thermogenic agent for weight management and lipolysis.
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Coleus Extract	Source of forskolin; helps raise cellular cAMP to aid fat metabolism and lung relaxation.
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2. Phytochemicals Category

Product Name	Common Industry Use / Health Application
5-Hydroxytryptophan (5-HTP)	Direct precursor to Serotonin; improves deep sleep cycles, mood stability, and controls anxiety.
Berberine HCL	High-purity alkaloid for standardizing metabolic syndrome and cardiovascular defense formulations.

Beta Aescin

Extracted from Horse Chestnut; treats chronic venous insufficiency and reduces soft tissue swelling.

Colchicine Curcumin

Advanced chemical hybrid profile; provides intense targeted anti-inflammatory action.

Forskolin

Pure active isolate; supports respiratory bronchodilation and lean fat-to-muscle partitioning.

Natural Caffeine

Plant-derived central nervous system stimulant; maximizes physical alertness and athletic output.

Piperine

Extracted active alkaloid; blocks metabolic breakdown enzymes to increase drug/supplement uptake.

Quercetin Dihydrate

Master bioflavonoid; acts as a natural antihistamine for allergies and provides zinc-ionophore action.

Resveratrol

Highly purified SIRT1 gene activator; target compound for premium longevity and anti-aging remedies.

Rutin

Citrus glycoside that strengthens fragile blood vessels, preventing varicose veins and bruising.

Thiocolchicoside

Semi-synthetic derivative used as a potent muscle relaxant with anti-inflammatory activity.

Vinpocetine

Cerebrovascular vasodilator; enhances microcirculation, oxygen, and glucose delivery to the brain.

Yohimbine HCL

Alpha-2 adrenergic antagonist; alpha-blocker used for targeted fat loss and treating erectile dysfunction.

3. Spray Dried Powder Category

Fruit Powders Sub-Category

Product Name

Common Industry Use / Health Application

Mango Powder / Banana Powder / Orange Powder

Concentrated, highly soluble nutrient delivery bases for functional food and beverage lines.

Watermelon Powder / Lemon Powder / Pineapple Powder

Excellent clean-label rehydration bases; rich in natural enzymes (bromelain in pineapple) and potassium.

Strawberry Powder / Custard Apple Powder

Loaded with fiber, trace elements, and natural aromatic taste profiles for wellness formulations.

Pomegranate Powder / Guava Powder

Extremely high in natural polyphenols, dietary fiber, and Vitamin C for metabolic health.

Papaya Powder / Kiwi Powder

Rich in proteolytic enzymes (papain/actinidin) that directly aid digestion and soothe gas.

Jamun Powder / Litchi Powder

Jamun is popular for supporting diabetic-friendly snack profiles; Litchi provides quick energy.

Peach Powder / Sapota (Chikoo) Powder

Adds thick texture, dietary fiber, and trace minerals to organic protein shakes.

Vegetable Powders Sub-Category

Product Name	Common Industry Use / Health Application
Amla Powder / Beet Root Powder	Beetroot elevates nitric oxide levels for sports performance; Amla provides intense vitamin support.
Cabbage Powder / Carrot Powder	High in beta-carotene (carrot) and gut-healing glutamine/Vitamin U (cabbage).
Cucumber Powder / Garlic Powder	Garlic supplies allicin for cardiovascular defense; cucumber delivers natural silica and hydration.

Ginger Powder / Green Chilli Powder

Gingerol compounds treat nausea and reduce motion sickness; chili boosts thermogenic heat.

Green Coriander Powder / Jalapeno Powder

Used as natural antimicrobial, texturizing, and flavor agents in meal replacements.

Mint Powder / Onion Powder

Mint cools and acts as an anti-spasmodic in gut formulations; onion provides immunity-boosting quercetin.

Spinach Powder / Tomato Powder

Spinach provides dense vegan non-heme iron; tomato supplies high concentrations of skin-protective lycopene.

Tamarind Powder / Mushroom Powder

Mushroom supplies immune-modulating beta-glucans; tamarind works as a digestive aid.

Bitter Gourd Powder

Strongly hypoglycemic; foundational component in natural health management blends for diabetes.

4. Amino Acids Category

Product Name	Common Industry Use / Health Application
Acetyl L Carnitine HCL	Highly bioavailable carnitine crossing the blood-brain barrier; enhances cellular brain energy and memory.
Acetyl L Tyrosine / N-Acetyl L-Tyrosine	Soluble dopamine precursor; supports focus, mood stability, and resilience during cognitive stress.
BCAA Blend / BCAA Instant	Leucine, Isoleucine, Valine in optimal ratios; halts muscle catabolism during high-intensity training.

Beta Alanine

Elevates muscle carnosine levels; buffers lactic acid accumulation to delay muscular fatigue.

Betaine Anhydrous

Osmolyte and methyl donor; lowers toxic homocysteine levels and increases explosive muscle power.

Creatine Monohydrate

Maximizes muscle phosphocreatine stores; gold standard for upgrading short-burst power, ATP, and mass.

DL Methionine / L-Methionine Sulfur-containing amino acid; vital for protein synthesis, hair matrix health, and cellular methylation.

L-Alanyl L-Glutamine Dipeptide that drastically increases cellular fluid absorption in the gut during intense heat/exercise.

L-Citrulline / L-Citrulline DL Malate Superior nitric oxide booster; expands blood vessels to maximize exercise performance, endurance, and pumps.

L-Glutathione Reduced	High-purity antioxidant used for cellular repair, liver cleansing, and managing hyperpigmentation.
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L-Alanine / L-Glutamic Acid / L-Glycine	Foundational cell components; glycine acts as an inhibitory neurotransmitter and builds joint tissues.
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L-Arginine (Base, AKG, HCL, Aspartate, Pyroglutamate, Malate)	Various biochemical delivery formats optimized for vascular nitric oxide pump formulas and GH release.
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**L-Asparagine / L-Aspartic
Acid**

Critical links in the urea cycle; helps clear ammonia metabolic waste to boost energy levels.

L-Carnitine (Base, Fumarate,
HCL, L-Tartrate)

Shuttles long-chain fatty acids directly into mitochondria to be burned off cleanly as cellular energy.

L-Carnosine

Powerful anti-glycation agent; prevents cross-linking of proteins to keep blood vessels and skin young.

**L-Cysteine Base / HCL Mono /
L-Cystine**

Rate-limiting building blocks for
Glutathione production; highly protective
for lungs and liver.

L-Glutamine

The most abundant amino acid in
muscles; fuels immune cells and repairs
intestinal hyperpermeability.

L-Histidine Base / HCL

Precursor to histamine; vital for
maintaining protective myelin sheaths
surrounding nerves.

L-Isoleucine / L-Leucine / L-Valine

The three individual Branched-Chain Amino Acids; Leucine directly activates the mTOR pathway for muscle growth.

L-Lysine (Acetate, Aspartate, Mono HCL)

Blocks viral replication cycles (highly effective for herpes/cold sores) and enhances calcium assimilation.

L-Malic Acid

Intermediate key component in the Krebs cycle; counters chronic fatigue states and muscle soreness.

L-Methyl Folate Calcium Active, methylated form of Vitamin B9; bypasses MTHFR genetic mutations to support red blood cell generation.

L-Ornithine HCL / L-Ornithine L-Aspartate Clinical liver therapies; rapidly removes toxic nitrogenous ammonia buildup to treat hepatic encephalopathy.

L-Phenylalanine / L-Tyrosine Precursors to epinephrine, norepinephrine, and dopamine; elevates mental drive and thyroid output.

L-Proline / L-Serine

Proline forms collagen chains for skin/tendons; Serine is crucial for brain cell membrane structures.

L-Taurine

Osmoregulator in the heart and central nervous system; supports bile acid conjugation and calm muscle firing.

L-Theanine

Green tea amino acid; crosses the blood-brain barrier to trigger alpha waves, inducing calm focus without sleepiness.

L-Threonine / L-Tryptophan	Threonine builds central nervous structural mucins; Tryptophan converts to serotonin and melatonin for sleep.
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N-Acetyl L-Cysteine (NAC)	Breaks up thick respiratory mucus; clinically used to reverse acetaminophen toxicity and clear the liver.
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5. Vitamins Category

Product Name	Common Industry Use / Health Application
Folic Acid Feed Grade / Vitamin AD3 Feed Grade	High-stability nutrient fortifications designed specifically for livestock and aquaculture wellness.

Methylcobalamin / Vitamin B12

Active B12 form; corrects pernicious anemia and supports the structural health of peripheral nerves.

Vitamin A Acetate / 325 CWS / Palmitate

Formats specialized for dry and liquid fortification; supports dim-light vision, immunity, and skin lining health.

Vitamin B1 HCL / Mono

Thiamine; essential for carbohydrate breakdown and preventing wet/dry beriberi neurological syndromes.

Vitamin B2 / B2 5 Phosphate / B2 80% Feed Grade Riboflavin variants; crucial coenzymes for energy transfer pathways and reducing migraine symptoms.

Vitamin B3 Niacin/Niacinamide; regulates lipid cardiovascular markers and prevents cellular pellagra disease.

Vitamin B5 Liquid / Powder Pantothenic acid; crucial component for Coenzyme A synthesis, managing stress hormones, and acne control.

Vitamin B6

Pyridoxine HCL; essential co-factor for processing amino acids and synthesizing neurotransmitters.

Vitamin B7 (Biotin) / D-Biotin

Essential for keratin production; used widely to fortify brittle nails and thinning hair matrices.

Vitamin B8 (Inositol)

Facilitates intracellular calcium release and cellular response to metabolic hormones.

Vitamin B9 (Folic Acid)

Essential during early pregnancy stages to prevent fetal neural tube congenital defects.

Vitamin C Coated / Plain

Coated versions withstand high-heat manufacturing; protects immune cells and supports collagen binding.

Vitamin D2 / D2 Stabilized

Ergocalciferol; plant-derived vegan form of Vitamin D used to support bone mineralization.

Vitamin D3 / D3 Stabilized 100 CWD	Cholecalciferol; Cold-Water-Dispersible format optimized for instant juice and dairy fortifying applications.
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Vitamin E Acetate 98% / Powder 50%	Fat-soluble antioxidant; prevents lipid peroxidation in cell walls and protects skin cell tissue.
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Vitamin K2-7	Menaquinone-7; directs systemic calcium away from soft arterial walls and locks it firmly into bone tissue.
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6. Nutraceuticals Category

Product Name	Common Industry Use / Health Application
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Alpha Lipoic Acid

Universal antioxidant capable of recycling other vitamins; protects diabetic microvascular pathways.

Arbutin Astaxanthin 10%

Complex formulation base combining skin-brightening arbutin with highly potent astaxanthin antioxidants.

Barley Grass Powder / Wheat Grass Powder

Alkalizing superfood greens loaded with minerals, live enzymes, and heavy metal detox properties.

Beta Carotene 10% / 30% Liquid

Highly stable orange carotenoid solutions for functional food colors and eye wellness lines.

Bovine Colostrum

Supplies high concentrations of natural IgG antibodies to protect and seal hyperpermeable gut linings.

Calcitriol

Form of Vitamin D; used to treat severe hypocalcemia and bone disease.

Calcium Caseinate / Sodium Caseinate

Slow-digesting premium milk proteins used to prevent muscular catabolism during overnight sleep cycles.

Capsaicin 99%

Ultra-pure chili isolate; used in fat-burners to raise core body temperature and in topical pain rubs.

Chondroitin Sulphate Sodium

Glycosaminoglycan compound that keeps joint cartilage spongy, retaining shock-absorbing moisture.

Citrus Bioflavonoids

Polyphenols that optimize vascular flow and double the cellular activity span of active Vitamin C.

Cocoa Powder / Milk Powder Nutrient bases rich in polyphenols (cocoa) and calcium (milk) used to flavor weight-gainer formulas.

Co-enzyme Q10 (Ubiquinone) Core component of the mitochondrial respiratory chain; directly enhances cardiac output and energy.

Collagen Peptide (Bovine / Marine) Marine offers high skin compatibility (Type I); Bovine supports deep structural joint cartilage repair.

Conjugated Linolenic Acid

Targets body fat storage receptors, helping to reduce adiposity while shielding lean mass.

D-Chiro Inositol / Myo Inositol

Administered in precise 40:1 ratios to correct insulin signaling and resolve ovarian cyst symptoms in PCOS.

DHA Veg 10% Powder / 40% Oil

Algal source Omega-3; completely free of fish allergens, vital for neurological development formulas.

D-Mannose

Glues tightly to harmful urinary bacteria, washing them out to provide non-antibiotic UTI relief.

**Folic Acid / Methyl Folate
Calcium**

Crucial for DNA methylation, dividing cells safely, and controlling toxic homocysteine levels.

**Fungal Diastase / Pancreatin /
Pepsin**

Broad enzyme profiles designed to resolve bloating by breaking down complex starches and dense meats.

**Glucosamine Sulphate
Potassium Chloride**

Foundational substrate supplying the raw building blocks required to build clean joint cartilage.

Glutathione Reduced

Highly bioavailable tripeptide format engineered to suppress intracellular melanin for skin clarity.

**Inositol / IPA / MDC /
Isotretinoin / Voglibose**

Specialized medical, technical, and regulatory compound grades for metabolic and clear-skin lines.

Lutein 10% / 20% / 40% Oil

Carotenoid formulations protecting macular pigments from high-energy screen blue light damage.

Lycopene 10% Liquid / Powder

High-purity lipid antioxidant; clinically protects prostate cells and prevents arterial hardening.

Methyl Sulfonyl Methane

Supplies high-purity biological sulfur to rapidly suppress arthritic joint inflammation and stiffness.

**Mixed Carotenoids Oil /
Natural Mixed Carotenoids**

Broad-spectrum provitamin complexes providing superior systemic antioxidant cover compared to isolates.

**Nano Curcumin /
Tetrahydrocurcumin**

Water-soluble curcumin technology ensuring maximum anti-inflammatory absorption in the gut.

Omega 3 Fatty Acids
(EPA10:DHA40, 18:12, 33:22,
40:30)

Specialized high-yield EPA or DHA therapeutic oil blends targeting specific heart, brain, or joint lines.

Omega 3 Fish Powder

Microencapsulated fish oil format enabling stable inclusion into dry protein mix matrices.

Pea Protein / Soya Protein Isolate 90%

Elite hypo-allergenic vegan protein builders providing complete amino acid spectrum maps.

Phytosterols

Plant fats that lower bad LDL cholesterol numbers by physically crowding out cholesterol uptake in the gut.

Protein Hydrolysate Liquid / Powder

Pre-digested, instantly absorbable short peptide chains; ideal for clinical recovery feeds.

Raspberry Ketones 98%

Highly pure aromatic isolate used to stimulate adiponectin secretion for fat loss programs.

Resveratrol 50% / 98%

Highly precise polyphenol concentrations used to activate internal cellular longevity pathways.

**S Adenosyl L Methionine
(SAME)**

Crucial methyl donor that safely elevates mood neurotransmitters and cleanses liver bile channels.

Selenium Dioxide / Sodium Selenite

Highly trace mineral sources that act as central switches for activating protective thyroid enzymes.

Sodium Hyaluronate

Retains up to 1000x its weight in water; clinically plumps skin matrix and relubricates bone friction.

Soya Lecithin Powder

Natural emulsifier providing phosphatidylcholine; supports brain cell signaling and thins liver fats.

Spirulina Powder

Nutrient-dense blue-green microalgae containing phycocyanin for robust immune defenses.

**Trypsin /
Trypsin:Chymotrypsin**

Clinical proteolytic enzymes; taken between meals to dissolve systemic inflammatory scar tissues.

Ubiquinol Acetate

Premium antioxidant format delivering immediate, non-converted energy to aging cardiac muscle cells.

**Whey Protein Concentrate
80% / Isolate 90%**

Gold-standard fast-digesting athletic recovery proteins for immediate post-workout muscle repair.

Xanthan Gum Transparent

High-purity stabilizer and thickener ensuring silky textures in protein shakes and clear gel formulations.

Zeaxanthin 5%

Concentrated macula carotenoid; essential companion to Lutein for central vision sharp focus protection.

Mineral Salts & Chelates Sub-Category

Product Name	Common Industry Use / Health Application
Calcium Salts (<i>Asparto Glycinate, Bisglycinate, Citrate Malate, Folate, Gluconate, Lactate Gluconate, Orotate</i>)	Advanced organic bindings engineered to deliver maximum calcium directly into bone cells without causing kidney stones or bloating.
Chromium Picolinate	Attaches to insulin receptors, making them highly receptive to clearing sugar out of the blood stream.

Copper Gluconate Crucial co-factor for cross-linking elastin and collagen fibers; prevents premature cardiovascular wall weakening.

Coral Calcium Marine-derived alkaline calcium form rich in additional organic marine trace minerals.

Di Sodium Edetate / Hippuric Acid Technical stabilizing agents used for heavy metal binding and adjusting pH parameters in solutions.

Ferrous Salts (*Ascorbate, Asparto Glycinate, Bisglycinate, Citrate Malate, Fumarate, Gluconate*)

High-bioavailability iron chelation delivery forms that bypass gastric linings without causing typical nausea or dark stools.

Magnesium Salts (*Aspartate, Bisglycinate, Citrate, Citrate Anhydrous, Gluconate, Malate*)

Bisglycinate relaxes the brain and treats insomnia; Malate boosts muscle energy; Citrate pulls bowel moisture.

Manganese Bisglycinate / Gluconate

Vital trace minerals required for activating internal superoxide dismutase (SOD) bone protective mechanisms.

Potassium Salts (*Aspartate, Citrate, Gluconate, Magnesium Citrate*)

Critical alkalizing systemic minerals used to prevent muscle cramps, buffer lactic acid, and dissolve kidney stones.

Sodium Ascorbate / Sodium Glycinate

Non-acidic form of Vitamin C (ascorbate) that is gentle on sensitive stomach linings during high dosing.

Zinc Salts (*Bisglycinate, Citrate, Gluconate, Methionine, Methionine Aspartate, Picolinate*)

Picolinate/Monomethionine formats deliver maximum trace zinc to white blood cells to stop viral infections and clear acne.

7. Sweeteners Category

Product Name	Common Industry Use / Health Application
Acesulfame-K	Calorie-free artificial sweetener; often blended with Sucralose to hide bitter aftertastes in protein shakes.
Aspartame	Intense low-calorie sweetener widely used in diet beverages and low-sugar pharmaceutical syrups.
D-Mannose	Functions primarily as a functional sugar additive used to protect urinary tract ecosystems.

Monk Fruit Extract

Premium, natural keto-friendly sweetener; zero glycemic impact, sweetened naturally by mogrosides.

Neomalt Neotame

Ultra-high-potency artificial sweetener (thousands of times sweeter than sugar); used in micro-doses.

Sodium Saccharin

Economical, heat-stable synthetic sweetener used in standard pharmaceutical tablet coatings and oral rinses.

Stevia	Natural plant-derived glycoside sweetener; zero calories, highly popular for diabetic food and clean protein lines.
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Sucralose	Highly popular heat-stable artificial sweetener used widely across commercial sports nutrition powders.
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8. Enzymes Category

Product Name	Common Industry Use / Health Application
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Alpha Amylase

Hydrolyzes complex starches into simpler sugars; used to optimize gut passage rates and breakdown carbs.

Alpha Galactosidase

Breaks down complex fermentable oligosaccharides found in beans and cruciferous vegetables to stop gas.

Bromelain

Pineapple-derived proteolytic enzyme; digests dense meats and suppresses soft tissue nasal swelling.

Cellulase

Breaks down tough plant cell walls (cellulose) into usable glucose; improves raw green superfood absorption.

Fungal Diastase

Highly stable starch-digesting plant enzyme used in foundational clinical digestive over-the-counter remedies.

Fungal Lactase

Cleaves milk sugar (lactose) into galactose and glucose; vital inclusion compound for lactose-intolerant protein isolates.

Fungal Lipase

Targets and splits complex dietary fats into free fatty acids, relieving oily stools and sluggish digestion.

Glucoamylase

Works synergistically with amylase to cleave terminal starch links, maximizing smooth digestive extraction.

Invertase

Splits sucrose into glucose and fructose; widely used to create soft-center confectionery fillings and functional bars.

Nattokinase

Fermented soy extract enzyme; breaks down fibrin in blood vessels to naturally dissolve clots and lower blood pressure.

Papain

Papaya-derived proteolytic enzyme; clears dead cellular debris and aids general digestive breakdown.

Pepsin

Principal stomach enzyme; breaks complex protein peptide bonds under highly acidic conditions.

**Peptizyme SP /
Serratiopeptidase**

Systemic proteolytic enzymes that
degrade dead bio-films and micro-
swelling around injured joint ligaments.

Protease

Universal active protein splitter;
maximizes the net utilization index of
amino acids in high-yield whey formulas.

9. Probiotics Category

Product Name

**Common Industry Use / Health
Application**

Bifidobacterium Species
(*animalis*, *bifidum*, *breve*,
infantis, *lactis*, *longum*)

Essential large intestine colonizers;
populate the colon matrix to lower pH,
manage regular bowel motions, and
displace bad microbes.

Clostridium butyricum

Produces high volumes of butyric acid
(short-chain fatty acid) to feed, seal, and
repair irritated gut mucosal barriers.

**Enterococcus faecium /
Streptococcus faecalis**

Fast-growing, lactic-acid-producing
strains that temporarily outcompete
harmful organisms during acute diarrhea.

Lactobacillus Species

(acidophilus, bulgaricus, casei, gasseri, helveticus, johnsonii, lactis, paracasei, plantarum, reuteri, rhamnosus, salivarius, fermentum)

Core small-intestinal workhorse strains. Produce lactic acid and hydrogen peroxide; critical for crowd-out defense, soothing gas, easing bloating, and processing dairy sugars.

Lactococcus lactis

Fermentation workhorse strain; produces specialized bacteriocins that naturally preserve functional food formulas from spoiling.

Saccharomyces boulardii Robust, acid-resistant probiotic yeast; clinically preferred for arresting traveler's diarrhea and antibiotic-induced colitis.

Streptococcus thermophilus Works closely with *L. bulgaricus* to create active cultures; releases lactase enzyme to relieve chronic milk sensitivity.

Bacillus Species (*clausii*,
coagulans, *mesentericus*,
subtilis)

Spore-forming soil-based organisms.
Their hard outer shells survive intense
tableting, high heat processing, and
stomach acid seamlessly.