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ANTI-AGING LONGEVITY INGREDIENTS

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BrocVita™

BROCCOLI SEED EXTRACT

Nrf2 Activation & Detox Support for Cellular Defense

A standardized botanical extract derived from the seeds of broccoli (*Brassica oleracea* var. *italica*), naturally rich in glucoraphanin, a stable precursor of sulforaphane. It is carefully processed to preserve phytochemical integrity and ensure consistent composition. This ingredient is widely used as a high-quality plant-based extract originating from cruciferous vegetables known for their unique phytochemical profile.

SPECIFICATION

Glucoraphanin >13%

RECOMMENDED DOSAGE

100–300 mg/d

ACTION MECHANISM

Provides sulforaphane to activate the Nrf2 pathway, enhancing cellular antioxidant defenses and detoxification to slow oxidative stress-related aging.

FORMULA CONCEPT

Detox & Longevity Formula
Broccoli + NAC + Glutathione
Capsule



VisionGug® BLUEBERRY EXTRACT

*Anthocyanin-rich Longevity
Antioxidant for Cellular Protection*

A fruit-based botanical extract obtained from ripe blueberries (*Vaccinium* spp.), standardized to natural anthocyanins. The extract is produced through gentle extraction methods to retain its native polyphenol profile, color compounds, and fruit-derived nutrients. It represents a concentrated form of blueberry bioactives widely used in nutraceutical and functional ingredient applications.

SPECIFICATION

Total Anthocyanins >5%

RECOMMENDED DOSAGE

100–300 mg/d

ACTION MECHANISM

Rich in anthocyanins, it reduces oxidative stress and inflammation while protecting mitochondrial function to delay cellular aging.

FORMULA CONCEPT

Longevity Antioxidant Formula
Blueberry + Resveratrol + CoQ10
Capsule / Beverage



ARONIA EXTRACT

High-anthocyanin Berry Extract for Antioxidant & Vascular Support

A fruit-derived botanical extract obtained from Aronia melanocarpa (black chokeberry), naturally rich in polyphenols and anthocyanins. It is carefully processed and standardized to ensure consistent anthocyanin content while preserving the berry's native phytochemical profile. Known for its deep color and high ORAC value, Aronia extract is widely used as a premium antioxidant-rich ingredient in nutraceutical and functional formulations.

SPECIFICATION

Proanthocyanidins>10%

RECOMMENDED DOSAGE

150–400 mg/day

ACTION MECHANISM

Provides proanthocyanidins (OPC) that help scavenge free radicals, support collagen integrity, and improve vascular function by protecting endothelial cells and promoting microcirculation.

FORMULA CONCEPT

Antioxidant & Skin / Vascular Formula
Aronia + Grape Seed + Vitamin C
Capsule



Ti-RoxC[®]

ROSA ROXBURGHII EXTRACT

Dual Antioxidant Botanical Extract Rich in Natural Vitamin C and SOD enzymes

A fruit-derived botanical extract obtained from *Rosa roxburghii* (Chinese wild chestnut rose), a traditional plant native to Southwest China. The extract is naturally rich in bioactive vitamin C and superoxide dismutase (SOD), two key antioxidant components. It is carefully processed and standardized to ensure stable activity levels, including 17% natural vitamin C and 100,000 U/g SOD. This dual-active profile makes it a high-value ingredient for antioxidant and functional nutrition applications.

SPECIFICATION

Vitamin C $\geq 17\%$
SOD $\geq 100,000$ U/g

RECOMMENDED DOSAGE

600 mg/d

ACTION MECHANISM

Provides synergistic antioxidant protection through natural vitamin C and SOD enzymes, helping neutralize reactive oxygen species, reduce oxidative stress burden, and support cellular protection and immune resilience.

FORMULA CONCEPT

Antioxidant & Immune Defense Formula
Rosa roxburghii + Vitamin C + Zinc
Capsule / Powder



RED GINSENG EXTRACT

*Adaptogenic Longevity Support for
Energy & Stress Balance*

A concentrated extract derived from steamed and dried roots of Panax ginseng, commonly known as red ginseng. It contains a standardized profile of naturally occurring ginsenosides formed during the traditional steaming process. The extract is carefully manufactured to ensure consistency, authenticity, and preservation of the characteristic compounds of red ginseng.

SPECIFICATION

Total Saponins>5% by HPLC

RECOMMENDED DOSAGE

200–1000 mg/d

ACTION MECHANISM

Enhances antioxidant enzyme activity, regulates stress response (HPA axis), and improves energy metabolism to support anti-fatigue and anti-aging effects.

FORMULA CONCEPT

Energy & Longevity Formula
Red Ginseng + B Vitamins + CoQ10
Capsule / Drink



CLEAN-GINSENG® RARE GINSENOSES

*Advanced Ginseng Actives for Mitochondrial
Energy & Anti-aging*

A high-purity ginseng-derived fraction enriched in low-abundance, bio-transformed ginsenosides that are typically present only in trace amounts in natural ginseng. Produced through advanced extraction and conversion technologies, it offers a more refined and concentrated composition compared to conventional ginseng extracts, suitable for premium formulations.

SPECIFICATION

Rg3>10%, Rh2>2%,
Total rare ginsenosides>25%
by HPLC

RECOMMENDED DOSAGE

70 mg/d

ACTION MECHANISM

Modulate inflammation (e.g., NF- κ B signaling), apoptosis, and mitochondrial function to improve cellular resilience and slow aging processes.

FORMULA CONCEPT

Deep Anti-Aging Formula
Rg3 + NMN + Ergothioneine
Capsule



MitoYouth® UROLITHIN A

Mitochondrial Renewal Activator for Muscle & Longevity Support

A naturally occurring postbiotic metabolite originally derived from ellagitannin-rich foods through gut microbial transformation. Commercially produced as a purified, highly stable compound, Urolithin A is supplied as a single-molecule ingredient with consistent quality, suitable for advanced nutritional and longevity-focused formulations.

SPECIFICATION

98% HPLC

RECOMMENDED DOSAGE

100-500 mg/d

ACTION MECHANISM

Activates mitophagy, promoting the removal of damaged mitochondria and improving cellular energy efficiency.

FORMULA CONCEPT

Mitochondrial Health Formula
Urolithin A + NMN + CoQ10
Capsule/Skincare



NAD⁺ SERIES

Advanced NAD⁺ Precursors for Cellular Energy & Longevity Support

A comprehensive ingredient series centered on nicotinamide adenine dinucleotide (NAD⁺) metabolism, including key precursors such as NMN (nicotinamide mononucleotide) and NR-Cl (nicotinamide riboside chloride), as well as NAD⁺ itself. These compounds are naturally involved in cellular energy production and metabolic processes. Manufactured under controlled conditions to ensure high purity and stability, this series offers flexible options for developing advanced nutritional formulations targeting cellular vitality and metabolic function.

SPECIFICATION

NMN >99% HPLC
NR-Cl >98% HPLC
NAD⁺ >99% HPLC

RECOMMENDED DOSAGE

100–500 mg/d
100–500 mg/d
100–500 mg/d

ACTION MECHANISM

Supports the NAD⁺ biosynthesis pathway by supplying key precursors that help restore intracellular NAD⁺ levels, thereby enhancing mitochondrial function, activating sirtuins, and promoting cellular energy metabolism and DNA repair processes.

FORMULA CONCEPT

Longevity & Cellular Energy Formula
NMN / NR + Resveratrol + TMG
Capsule / Tablet



FERMENTED SOY GERM EXTRACT

*Naturally Fermented Soy-derived Equol Source
for Gentle Hormonal Balance*

A plant-based extract derived from fermented soy germ, produced through controlled microbial fermentation to naturally generate S-equol from soy isoflavones. The ingredient retains a broader spectrum of soy-derived components alongside equol, offering a more holistic composition. It is standardized to S-equol content and manufactured under controlled conditions to ensure consistency and quality, making it suitable for natural-positioned and food-origin formulations.

SPECIFICATION

S-Equol > 5% HPLC

RECOMMENDED DOSAGE

120 mg/d

ACTION MECHANISM

Provides S-equol, a selective estrogen receptor modulator (SERM-like compound), helping to support hormonal balance by binding to estrogen receptors, while also contributing antioxidant and metabolic regulation effects.

FORMULA CONCEPT

Women's Balance Formula
Fermented Soy + Black Cohosh + Vitamin D
Capsule





S-EQUOL

High-purity Bioactive Equol for Targeted Hormonal & Healthy Aging

A high-purity, bioidentical S-equol produced via precision fermentation, offering a single active compound with defined structure and consistent quality. Unlike plant extracts, this ingredient provides a concentrated and highly standardized form of equol, enabling precise dosing and formulation flexibility. It is widely used in advanced nutraceutical applications requiring targeted and reproducible ingredient performance.

SPECIFICATION

99% HPLC

RECOMMENDED DOSAGE

6 mg/d

ACTION MECHANISM

Acts as a selective estrogen receptor β (ER- β) agonist, supporting hormonal balance, reducing menopausal-related changes, and contributing to skin, bone, and metabolic health.

FORMULA CONCEPT

Women's Balance Formula
S-Equol + Collagen + Vitamin D
Capsule



WHEAT GERM EXTRACT (SPERMIDINE)

Autophagy Activator for Cellular Renewal & Longevity

A plant-derived extract obtained from wheat germ (*Triticum aestivum*), naturally containing spermidine and other polyamines. It is produced using gentle extraction methods to preserve its natural nutrient profile. The ingredient represents a concentrated botanical source of naturally occurring cellular compounds.

SPECIFICATION

Spermidine >0.1%

RECOMMENDED DOSAGE

1000 mg/d

ACTION MECHANISM

Induces autophagy to clear cellular waste and maintain cellular homeostasis, contributing to healthy aging.

FORMULA CONCEPT

Cell Renewal Formula
Spermidine + Polyphenols + NAD⁺ Booster
Capsule



FISETIN

Senolytic Flavonoid for Cellular Rejuvenation & Healthy Aging

A naturally occurring flavonoid compound found in fruits and vegetables such as strawberries, apples, and onions. It is produced as a purified plant-derived extract with high standardization and consistent quality. Fisetin is valued as a representative dietary flavonoid sourced from widely consumed edible plants.

SPECIFICATION

98% HPLC

RECOMMENDED DOSAGE

100-500 mg/d

ACTION MECHANISM

Functions as a senolytic compound that clears senescent cells and reduces pro-inflammatory signaling associated with aging.

FORMULA CONCEPT

Senolytic Formula
Fisetin + Quercetin + Resveratrol
Capsule

