Yosun Biotech

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GINSENG EXTRACT SERIES

Standardized and refined dry extract of Asian | American ginseng

Product name	Specification	Plant part	Standard
Panax ginseng Extract (Asian ginseng Extract) (★)	5%-60% Ginsenosides HPLC	Root	In-house
	4%-80% Ginsenosides UV 5%-45% Ginsenosides HPLC	Stem/ Leaf	In-house
	3% Ginsenosides HPLC	Root	USP | NF
	4% Ginsenosides HPLC	Root	EP
American Ginseng Extract (★)	5%-75% Ginsenosides HPLC	Root	In-house
	4%-80% Ginsenosides UV	Stem/ Leaf	In-house
	10% Ginsenosides HPLC	Root	USP | NF
Red Ginseng Extract	5%-60% Ginsenosides HPLC	Root	In-house
Korean Ginseng Extract	5%-60% Ginsenosides HPLC	Root	In-house
Ginseng root powder	2%-4% Ginsenoside UV/HPLC	Root	In-house
American Ginseng powder	2.5%-4% Ginsenosides	Root	In-house
Dried Ginseng Root	15-80 pieces/Kg	Root	In-house
Dried Ginseng Sliced	0.6-1.8cm/slice	Root	In-house

(★) Customizable for (EC)396/2005 or USP/FDA pesticide residue compliance grade



YOSUN GINSENG EXTRACT is a powdered extract with a typical sensory profile derived from Asian ginseng (or Korean ginseng | White ginseng | Red ginseng) and American ginseng. Ginseng extract is primarily used in pharmaceuticals | supplements, cosmetics, functional foods, and traditional medicine.

BOTANICAL ORIGIN: *Panax ginseng C.A. Meyer | Panax quinquefolius L.*
PLANT SOURCE: Root | Leaf
APPEARANCE: Light yellow to beige powder
ACTIVE SUBSTANCES: Ginsenosides (as sum of Ginsenosides Rb1, Rb2, Rc, Rd, Re, Rf and Rg1)
ANALYSIS METHOD: HPLC | UV

HEALTH BENEFITS: Cognitive enhancement| Energy & vitality | Immunity health | Cardiovascular support | General well-being

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ROSEMARY EXTRACT

Natural anti-oxidant and food/feed preservative from leaves of Rosmarinus officinalis

Product name	Specification	Plant part	Standard
Rosemary Extract Carnosic acid	10% Carnosic acid powder HPLC	Leaves	In-house
	10% Carnosic acid oil HPLC	Leaves	In-house
	20% Carnosic acid powder HPLC	Leaves	In-house
	20% Carnosic acid oil HPLC	Leaves	In-house
	60% Carnosic acid powder HPLC	Leaves	In-house
	98% Carnosic acid powder HPLC	Leaves	In-house
Rosemary Extract Rosmarinic acid	5% Rosmarinic acid HPLC	Leaves	In-house
	10% Rosmarinic acid HPLC	Leaves	In-house
	30% Rosmarinic acid HPLC	Leaves	In-house
	50% Rosmarinic acid HPLC	Leaves	In-house
	98% Rosmarinic acid HPLC	Leaves	In-house
Rosemary Extract Ursolic acid	25%~98% HPLC	Leaves	In-house
Rosemary Extract Diterpenes (★)	10%~30% HPLC	Leaves	In-house
Rosemary Extract	4:1~10:1	Leaves	In-house

(★) Rosemary Diterpenes is a mixture of Carnosic acid and Carnosol, which account for over 90% of Rosemary anti-oxidant capacity.



YOSUN ROSEMARY EXTRACT is derived from dried leaves of Rosemary, an aromatic, evergreen shrub original from Mediterranean region then introduce to China. Containing strong anti-oxidant phyto-substances oil-soluble Carnosic acid and water-soluble Rosmarinic acid, Rosemary Extract works as a global source for commercially manufactured natural preservative/anti-oxidant in food & feed additives and in dietary supplements and cosmetics.

BOTANICAL ORIGIN: *Rosmarinus officinalis*
PLANT SOURCE: Leaves
APPEARANCE: Brownish yellow oil | Brownish yellow to brownish green powder
ACTIVE SUBSTANCES: Carnosic acid | Rosmarinic acid | Ursolic acid
ANALYSIS METHOD: HPLC

HEALTH BENEFITS: Food Preservation | Anti-oxidant | Anti-inflammatory | Anti-Aging | Metabolic Support | Shelf-life extending

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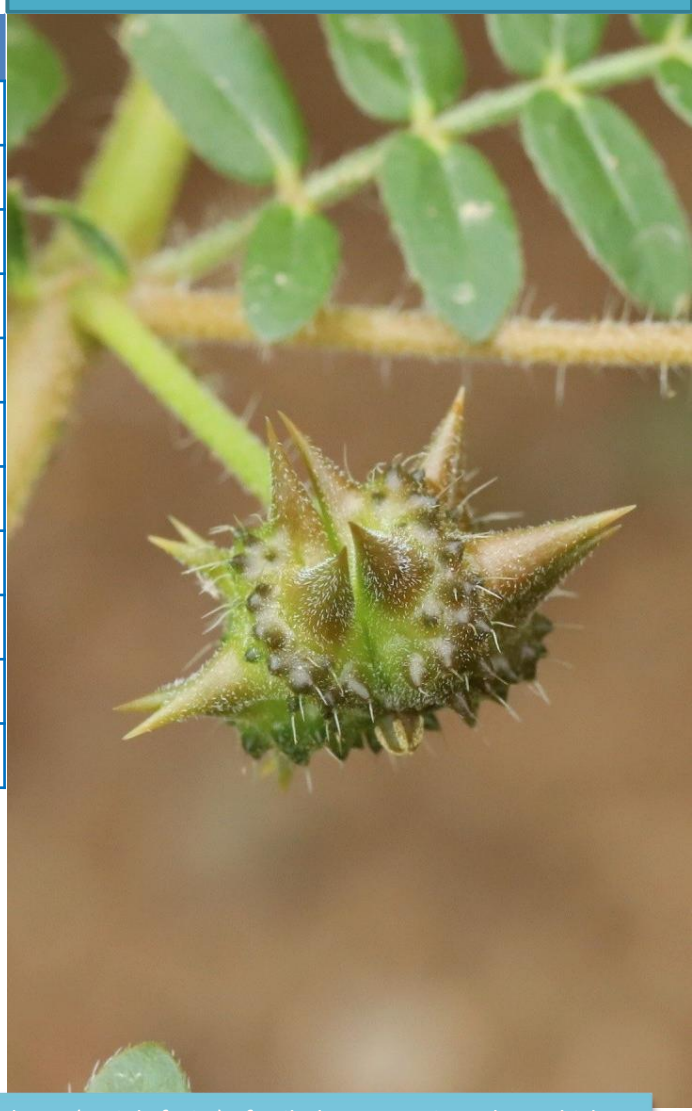
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TRIBULUS EXTRACT

Natural sexual and athletic performance enhancer from fruits of Tribulus Terrestris

Product name	Specification	Plant part	Standard
Tribulus Extract Total saponins	40% Total saponins UV	Fruits	In-house
	45% Total saponins UV	Fruits	In-house
	60% Total saponins UV	Fruits	In-house
	90% Total saponins UV	Fruits	In-house
	95% Total saponins UV	Fruits	In-house
Tribulus Extract Protodioscin	5% Protodioscin HPLC	Fruits	In-house
	10% Protodioscin HPLC	Fruits	In-house
	20% Protodioscin HPLC	Fruits	In-house
	40% Protodioscin HPLC	Fruits	In-house
Tribulus Extract	4:1~10:1	Fruits	In-house
Tribulus terrestris powder	40-80mesh	Ariel part	In-house



YOSUN TRIBULUS EXTRACT is a powdered extract derived from aerial part (mainly fruits) of *Tribulus terrestris*, a plant which has long been utilized in traditional medicine systems, including Ayurveda and Traditional Chinese Medicine. Nowadays, Tribulus extract usually marketed as a sports nutrition and vitality supplement, primarily marketed for libido enhancement, sexual health, and athletic performance.

BOTANICAL ORIGIN: *Tribulus terrestris*
PLANT SOURCE: Fruits
APPEARANCE: Brownish yellow powder
ACTIVE SUBSTANCES: Total saponins | Protodioscin
ANALYSIS METHOD: UV | HPLC

HEALTH BENEFITS: Sexual performance support | Libido enhancement | Athletic performance boosting| Metabolic support | Androgen receptor support

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CRANBERRY EXTRACT

Powerful natural anti-oxidant from fruit of Vaccinium macrocarpon

Product name	Specification	Plant part	Standard
Cranberry Extract Proanthocyanidins (★) (UV-Bate smith)	5% PACs UV-Bate smith	Fruits	In-house
	25% PACs UV-Bate smith	Fruits	In-house
	95% PACs UV-Bate smith	Fruits	In-house
Cranberry Extract Proanthocyanidins (BL-DMAC)	2% PACs BL-DMAC	Fruits	In-house
	15% PACs BL-DMAC	Fruits	In-house
	30% PACs BL-DMAC	Fruits	In-house
Cranberry Extract Proanthocyanidin A2(★) (BL-DMAC)	1%-4% PAC-A2 BL-DMAC	Fruits	In-house
	15%~30% PAC-A2 BL-DMAC	Fruits	In-house
Cranberry Extract Anthocyanidins	1%~25% Anthocyanidins UV	Fruits	In-house
Cranberry Extract EP	30% PACs	Fruits	EP
Cranberry juice dry Extract USP	15%~33% PAC-A2	Fruits	USP | NF
Cranberry Extract	4:1~10:1	Fruits	In-house
Cranberry fruit Powder	60mesh~100mesh	Fruits	In-house

(★) PACs: refers to Proanthocyanidins
PAC-A2: refers to Proanthocyanidin A2



YOSUN CRANBERRY EXTRACT is derived from cranberry native in North America, primarily used for preventing urinary tract infections (UTIs) and supporting overall urinary tract health due to its high concentration of A-type proanthocyanidins (PACs), which prevent bacteria from adhering to the bladder wall. Cranberry extract can be used across health supplements, topical skincare, health food/beverage, and personal care products.

BOTANICAL ORIGIN: *Vaccinium macrocarpon*
PLANT SOURCE: Fruits
APPEARANCE: Brownish red to violet red powder
ACTIVE SUBSTANCES: Proanthocyanidins | Proanthocyanidin A2
ANALYSIS METHOD: UV Bate-smith | BL-DMAC

HEALTH BENEFITS: Anti-oxidant| Anti-infection| Prevention of urinary tract infections| Female health | Anti-cancer

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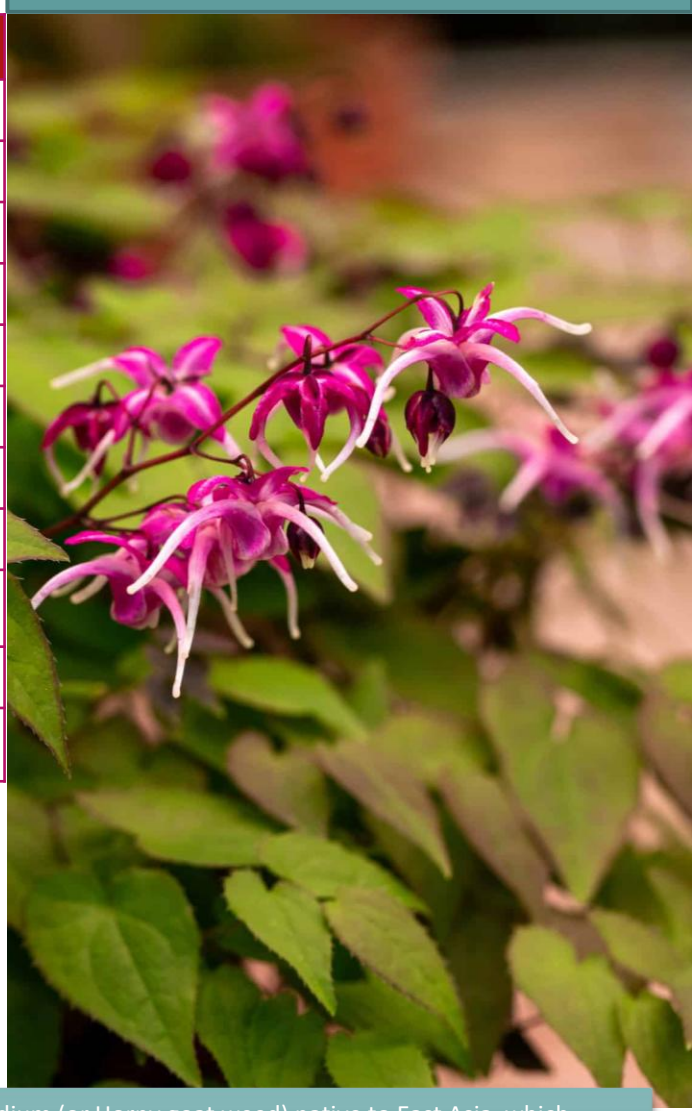
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EPIMEDIUM EXTRACT

Natural sexual performance enhancer from leaves of Epimedium (Horny goat weed)

Product name	Specification	Plant part	Standard
Epimedium Extract Icariin	5% Icariin HPLC	Leaves	In-house
	10% Icariin HPLC	Leaves	In-house
	20% Icariin HPLC	Leaves	In-house
	50% Icariin HPLC	Leaves	In-house
	98% Icariin HPLC	Leaves	In-house
Epimedium Extract Icariins (★)	10% Icariins HPLC	Leaves	In-house
	20% Icariins HPLC	Leaves	In-house
	40% Icariins HPLC	Leaves	In-house
Epimedium Extract Total flavonoids	10%~60% UV	Leaves	In-house
Epimedium Extract	4:1~10:1	Leaves	In-house
(★) Icariins is a mixture of group of flavonoid glycoside contains Icariin, Icariside I and Icariside II.			



YOSUN EPIMEDIUM EXTRACT is derived from dried leaves of Epimedium (or Horny goat weed) native to East Asia, which serves as a primary global source for commercially manufactured supplements.
Epimedium extract is primarily in dietary supplement, nutraceutical, and traditional herbal medicine industries. It is a core ingredient in formulas designed to enhance sexual health, support bone density, and promote cardiovascular well-being.

BOTANICAL ORIGIN: *Epimedium brevicornum Maxim.*
PLANT SOURCE: Leaves
APPEARANCE: Brownish yellow to light yellow powder
ACTIVE SUBSTANCES: Icariin | Icariins
ANALYSIS METHOD: HPLC

HEALTH BENEFITS: Sexual performance support | Libido enhancement | Hormonal and nervous system support | Bone health

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TONGKAT ALI EXTRACT

Natural sexual and athletic performance enhancer from roots of Tongkat Ali (Eurycoma longifolia)

Product name	Specification	Plant part	Standard
Tongkat Ali Extract Eurycomanone	1% Eurycomanone HPLC	Roots	In-house
	2% Eurycomanone HPLC	Roots	In-house
	5% Eurycomanone HPLC	Roots	In-house
	10% Eurycomanone HPLC	Roots	In-house
Tongkat Ali Extract	4:1	Roots	In-house
	10:1	Roots	In-house
	20:1	Roots	In-house
	100:1	Roots	In-house
	200:1	Roots	In-house
Tongkat Ali root powder	60-80mesh	Roots	In-house



YOSUN TONGKAT ALI EXTRACT is derived from roots of Tongkat ali (Eurycoma longifolia, or Longjack) native in Southeast Asia, mainly Malaysia and Indonesia. Tongkat Ali Extract is primarily used to boost testosterone, enhance libido, and reduce stress. Eurycomanone, the major bioactive quassinoid in Tongkat Ali, is widely believed to be the compound responsible for the plant's effects on stamina, stress, and hormonal balance.

BOTANICAL ORIGIN: *Eurycoma longifolia*
PLANT SOURCE: Roots
APPEARANCE: Brownish yellow to light yellow powder
ACTIVE SUBSTANCES: Eurycomanone
ANALYSIS METHOD: HPLC

HEALTH BENEFITS: Testosterone & libido benefits | Stress & mood relief | Physical performance | Improved muscle strength

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▲ Due to the limited space, only typical specifications are displayed., if your target specification is not found in following table, pls contact with our service specialist or exclusive agent for further info.

YOSUN BIOTECH
HOT HERBAL EXTRACTS
PRODUCT LIST

S/N	PRODUCT NAME	Botanical name	Specification Of Standardized Extracts	Available Ratio Extract
1	ALOE VERA EXTRACT	*Aloe Vera*	Aloin (Barbaloin) A 10%~98%HPLC / A+B 20~98%HPLC	10:1 / 50:1 / 100:1 / 200:1
2	BILBERRY/BLUEBERRY EXTRACT	*Vaccinium Myrtillus/Cyanococcus*	Anthocyanidins 25%UV / Anthocyanins 36%HPLC	4:1 / 10:1
3	BROWN ALGAE EXTRACT	*Laminaria Japonica*	Fucoidan 5%~95%UV / Fucoxanthin 5%~50%UV, 1%~20%HPLC	4:1 / 10:1
4	COPTIS ROOT EXTRACT	*Coptis Chinensis*	Berberine Hydrochloride 97%, 98% Titration/HPLC	4:1 / 10:1
5	CORDYCEPS EXTRACT	*Cordyceps Mycelium/Chinensis*	Polysaccharides 10%~50%UV / Adenosine 0.2%~0.5%HPLC / Cordycepin 0.1%~5%HPLC	4:1 / 10:1
6	DEVIL'S CLAW EXTRACT	*Harpagophytum Procumbens*	Harpagosides 2%~5%UV / 2%~5%HPLC	4:1 / 10:1
7	DONG QUAI EXTRACT	*Angelica Sinensis*	Ligustilide 1%~20%HPLC	4:1 / 10:1
8	ECHINACEA EXTRACT	*Echinacea Purpurea*	Polyphenols 4%~7%UV / 4%HPLC, Chicoric Acid 1%~20%HPLC	4:1 / 10:1
9	ELDERBERRY EXTRACT	*Sambucus Nigra*	Anthocyanidins 5%~25%UV / Antocyanins 5%~25%HPLC / Polyphenols 25%UV	4:1 / 10:1
10	HORNY GOAT WEED EXTRACT	*Epimedium Grandiflorum*	Icariin 5%~98%HPLC / Icariins 5%~20%HPLC	4:1 / 10:1
11	GINKGO BILOBA EXTRACT	*Ginkgo Biloba*	Flavonol Glycosides 24% / Terpene Lactones 6%, Total flavones 24%, USP-NF/EP/CP	4:1 / 10:1
12	GRAPE SEED EXTRACT	*Vitis Vinifera*	Proanthocyanidins 95%UV / Polyphenols 50%~95%UV	4:1 / 10:1
13	HORSE CHESTNUT EXTRACT	*Aesculus Hippocastanum*	Escin (Aescin) 20%~40%UV/HPLC, Sodium aescinate 98% Titration	4:1 / 10:1
14	IVY LEAF EXTRACT	*Hedera Helix*	Hederacoside C 3%~10%HPLC	4:1 / 10:1
15	KNOTWEED EXTRACT	*Polygonum Cuspidatum*	Trans-resveratrol 20%~98%HPLC	4:1 / 10:1
16	MARIGOLD EXTRACT	*Tagetes Erecta*	Lutein 5%~20%HPLC Powder/Oil/Microcapsule, Zeaxanthin 5%~20%HPLC Powder/Oil	4:1 / 10:1
17	PANAX GINSENG EXTRACT	*Panax Ginseng*	Ginsenosides 5%~80%UV / 5%~60%HPLC (Leaf/Root origin)	4:1 / 10:1
18	RED GINSENG EXTRACT	*Panax Ginseng*	Ginsenosides 4%~80%UV / 5%~60%HPLC	4:1 / 10:1
19	REISHI MUSHROOM EXTRACT	*Ganoderma Lucidum*	Polysaccharides 10%~50%UV / Triterpenes 0.5%~20%HPLC	4:1 / 10:1
20	SOPHORA JAPONICA EXTRACT	*Sophora Japonica*	Rutin 95%UV / Quercetin Dihydrate 95%HPLC / Luteolin 98%HPLC	4:1 / 10:1
21	SOYBEAN EXTRACT	*Glycine Max*	Total Isoflavones 10%~80%HPLC (Germ/Meal origin)	4:1 / 10:1
22	TONGKAT ALI EXTRACT	*Eurycoma Longifolia*	Eurycomanone 1%~10%HPLC	4:1 / 10:1 / 100:1 / 200:1
23	TRIBULUS EXTRACT	*Tribulus Terrestris*	Total Saponins 20%~90%UV, Protodioscin 10%~40%HPLC	4:1 / 10:1
24	VALERIANA EXTRACT	*Valeriana Officinalis*	Total Valerinic Acids 0.3%, 0.8% UV/HPLC	4:1 / 10:1
25	WHITE WILLOW BARK EXTRACT	*Salix Alba*	Salicin 15%~98%HPLC	4:1 / 10:1

Remarks: *Yosun Biotech Herbal Extracts meet vegan/non-GMO/non-allergens/non-TSE&BSE compliance*

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