



Sunpure Extracts
Private Limited

COSMETIC BEAUTY



NUTRA



Blood Sugar Control



PTERObright™

Pterocarpus marsupium

(Vijaysar)

AYURVEDIC MEDICINE/NUTRA/ FOOD SUPPLEMENT



Pterocarpus marsupium, commonly known as the Indian Kino Tree, is a majestic deciduous tree native to the Indian subcontinent. It has been known for centuries for its medicinal and therapeutic properties. This tree holds a significant place in Ayurvedic medicine, where it has been used to treat a variety of ailments, including diabetes, skin disorders, and inflammation. Its heartwood, in particular, is a powerhouse of bioactive compounds, making it an invaluable resource for both traditional and contemporary applications.

- ▶ **Native Regions:** *Pterocarpus marsupium* is predominantly found in India, Nepal, and Sri Lanka. It thrives in tropical and subtropical climates, where the soil and weather conditions allow it to flourish naturally.
- ▶ **Cultivation Practices:** Sustainable cultivation is key to preserving the ecological balance. Farmers and cultivators carefully manage the growth of these trees, ensuring minimal environmental impact.
- ▶ **Harvesting:** The heartwood of the tree is selectively harvested to extract its potent compounds. This method ensures the tree's longevity and continuous yield, maintaining its natural balance.

Traditional Uses Around the World

The significance of *Pterocarpus marsupium* extends far beyond India. In Ayurveda, the tree has been used for managing blood sugar levels, promoting wound healing, and revitalizing the skin. Across the globe, it is recognized for its powerful antioxidant and anti-inflammatory properties, which are now being harnessed in modern skincare and cosmetic formulations.

Pterocarpus for Blood Sugar Control/Diabetes

This plant has some unique features such as beta cell protective and regenerative properties apart from blood glucose reduction.

- ▶ Heartwood of Vijaysar is antibiotic and hypoglycaemic, and is used to control blood sugar.
- ▶ Kino gum, obtained from incisions in bark, has astringent, anti-diarrhoeal, and anti-haemorrhagic properties.
- ▶ Leaves are used externally to treat boils, sores, and other skin diseases, while flowers are febrifuge.



Applications of Pterocarpus for Blood Sugar Control

- ▶ Lower Total Cholesterol
- ▶ Reduce Joints Pain
- ▶ Dental Health
- ▶ Intestinal Parasites
- ▶ Genotoxic assessment
- ▶ Antidiarrheal

Skin health support

Pterocarpus have supporting properties that can help to maintain healthy skin.

Healthy blood sugar level management

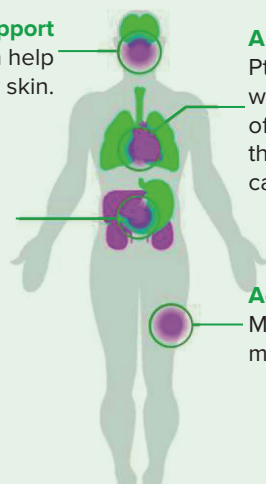
Studies show that pterostilbene help support the body's natural ability to manage and regulate blood sugar levels, primarily due to its ability to regulate glucose and lipids. Pterostilbene may also regulate the level of glycosylated hemoglobin in the blood.

Antioxidant activity

Pterostilbene also exhibits strong antioxidant activity, which can support cells in the body from many types of damage. Studies show that pterostilbene inhibits the activity of cyclooxygenase (COX-1), which can cause many signs of oxidative stress.

Additional benefits

Miscellaneous uses of *pterocarpus* include the management of bruises, fractures and constipation.



BEAUTY/COSMETIC/PERSONAL CARE

Pterocarpus marsupium – PTERObright™ – Your Natural Skincare Solution by SRIC

PTERObright™ is a premium-grade extract of *Pterocarpus marsupium* developed by **Sunpure Research Incubation Centre**, specially formulated for advanced cosmetic applications. With a potency ranging from **50% to 90%**, PTERObright™ stands out as a versatile and effective ingredient for crafting innovative skincare solutions. Its high concentration of active compounds ensures that every formulation delivers visible and lasting results.

Grades of Extract Sunpure Offers

For Blood Sugar Control Uses: *Pterocarpus marsupium* extract (pterostilbene **5% – 45%**)

For Cosmetic Uses: *Pterocarpus marsupium* extract (pterostilbene **50% – 90%**)

Uniqueness of *Pterocarpus* for Cosmetic Use

What sets *Pterocarpus marsupium* apart as a cosmetic ingredient is its unparalleled combination of bioactive compounds:

- ▶ **Rich in Bioactive Compounds:** The tree's heartwood contains flavonoids, phenolic acids, and tannins, which are natural antioxidants that combat oxidative stress and protect the skin from environmental damage.
- ▶ **Skin Brightening:** Its ability to regulate melanin synthesis makes it a natural solution for reducing pigmentation and achieving a brighter complexion.
- ▶ **Anti-Aging Properties:** By boosting collagen synthesis, it helps improve skin elasticity and firmness, reducing the appearance of fine lines and wrinkles.

Applications of PTERObright™

PTERObright™ is a game-changer for the cosmetic industry. Its versatility makes it suitable for a wide range of applications, including:

- ▶ Anti-Aging Creams and Serums
- ▶ Skin Brightening Lotions
- ▶ Sunscreen and UV Protection Products
- ▶ Hydrating and Rejuvenating Masks

Why Choose PTERObright™?

1. **Potent Antioxidant Properties:** Neutralizes free radicals, protecting the skin from premature aging.
2. **Effective Skin Brightening:** Reduces dark spots and promotes an even complexion.
3. **Collagen-Boosting Abilities:** Supports skin's structural integrity, enhancing firmness and elasticity.
4. **High Purity Levels:** Available in concentrations ranging from 50% to 90%, ensuring optimal efficacy for diverse formulations.
5. **Sustainably Sourced:** Harvested with care to maintain ecological balance and ensure a consistent supply.

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