Centella Asiatica Extract Triterpenes 30% : The Way to Indian Glass Skin

In the candlelit salons of 18th-century Europe, stories often arrived before the ingredients themselves. Travellers, traders, and botanists spoke of a curious green leaf from the East, said to clear the mind, heal the skin, and slow aging.

To European ears, it was an exotic folklore. But in India, Sri Lanka, and across Asia, this was a Centuries-old truth.

This leaf was Centella asiatica, known as Mandukaparni in Ayurveda and Gotu Kola in folk traditions, revered as the Herb of Longevity. Its journey didn't stop in India

Through Chinese medical influence, it entered Korean traditional medicine, where it is listed in the 1613 CE text Dongui Bogam for wound healing, reducing inflammation, and improving skin vitality.

Fast forward to the 20th–21st century, Beauty scientists all over the world rediscovered Centella, isolating its active compounds for cosmetic use.

This led to the Cica Creams movement, forming the backbone of the Korean Glass Skin Revolution, a regime focused on hydration, barrier repair and anti-aging. The world saw Centella's efficacy, not in folklore, but in measurable, visible results.

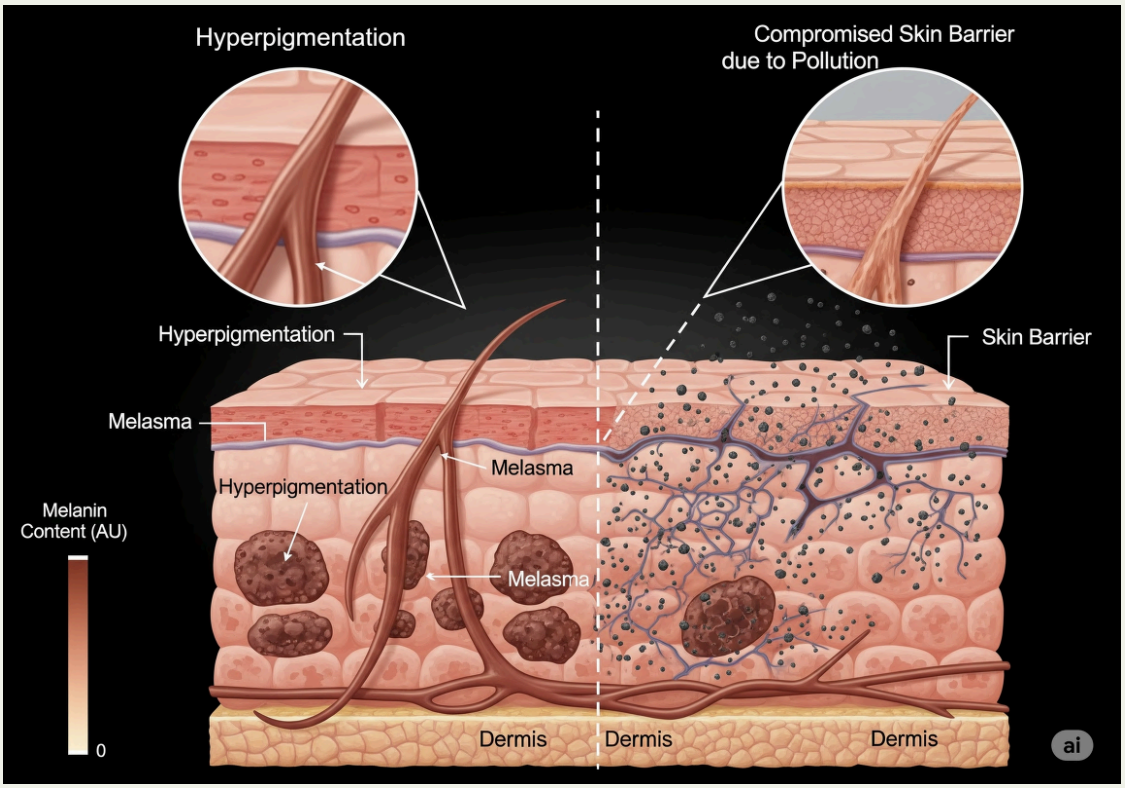
Why Extracts and not Powders ?

While the world outside began refining Centella into potent, standardized extracts, in India the herb largely remained a raw powder. Generations of households cherished it in oils, pastes, and homemade remedies, believing in its holistic benefits. But these powders, though rich in tradition, often act slowly; the active compounds are diluted or trapped in fibers, making visible results slower.

By concentrating the powder into extracts, we are able to deliver precision and efficiency. Every drop works exactly where it is needed. Extracts ensure that skin concerns such as clogged pores, dullness, pigmentation, and early signs of aging are addressed quickly, consistently, and measurably.

Yet, many Indian consumers still rely on Korean and Western skincare brands, drawn by their global reputation for efficacy. While effective for their intended populations, these products cannot fully address the unique physiology and challenges of Indian skin.

Is Indian skin really different? The secrets and struggles no one talks about !



Indian skin carries a distinct set of challenges shaped by genetics, climate, environment, and lifestyle (Pai, 2023; Kiran, 2024).

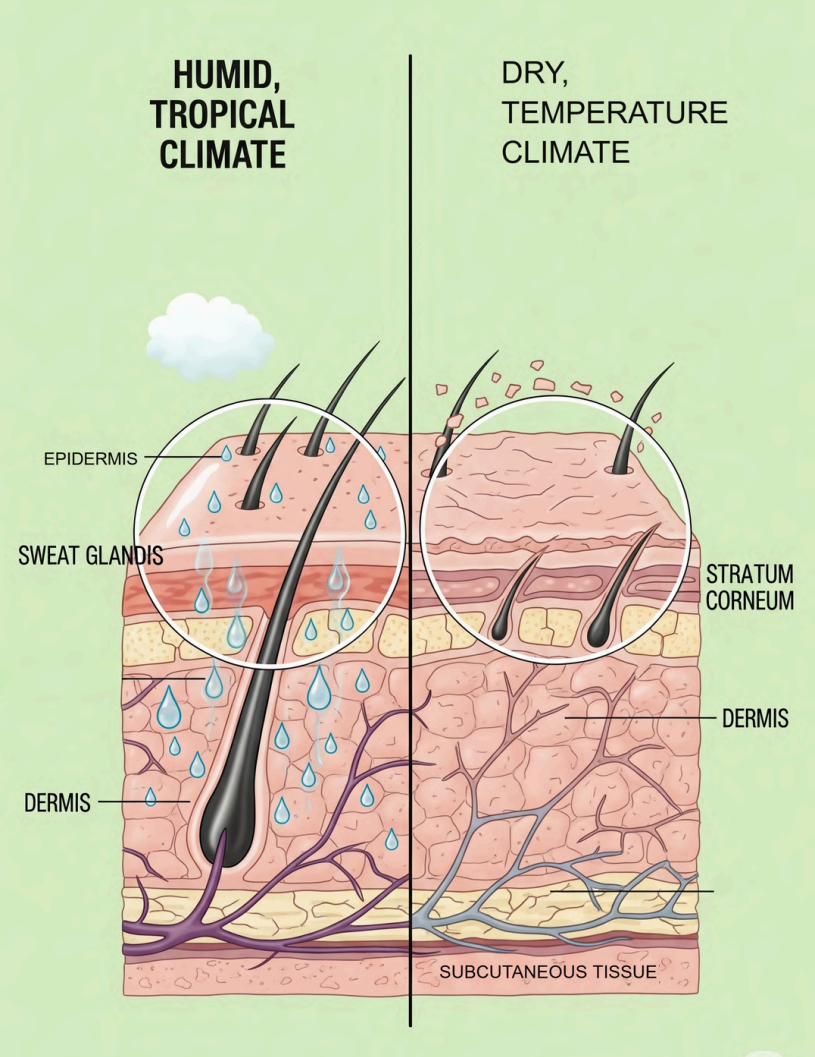
Its higher melanin content offers natural protection against UV rays but also makes pigmentation, melasma, and post-inflammatory dark spots more common (PMC, 2016).

Urban pollution, which peaks in cities like Delhi and Mumbai, further exacerbates pigmentation, acne, and premature aging (Puri & Sharma, 2017).

Beyond pigmentation, Indian skin experiences diverse climatic conditions, from humid summers in Chennai to dry winters in Delhi, which can compromise hydration, barrier function, and elasticity if skincare is not tailored.

Meanwhile, many global formulations are designed for skin that has lower melanin, thinner epidermis, and different sebum profiles (Kiran, 2024; Femina, 2025).

These products excel in hydration or anti-aging for their target demographics but often fail to address the core challenges of Indian skin, leaving consumers layering multiple serums without achieving measurable results.



spot

"Can Indian skin ever achieve the Korean 'glass skin' glow or does it need its own version?"

Korean Glass Skin is celebrated for its dewy, and flawless appearance, achieved through multi-step routines, hydrating essences, and barrier-strengthening serums. These formulations are designed for fairer, thinner skin with lower sebum production and climates with cold winters and moderate humidity.

While effective for hydration and soothing, they are optimized for skin less prone to pigmentation

and highly sensitive to UV damage, which contrasts sharply with Indian skin physiology.

Indian skin, in comparison, is melanin-rich, thicker, and often more sebaceous, exposed to extreme climates, high humidity, and heavy urban pollution. These factors make pigmentation, uneven tone, sensitivity, and barrier disruption more prevalent.

Applying Korean multi-step routines or imported serums may result in clogged pores, excess oil, and suboptimal efficacy, as the actives are not specifically balanced for Indian skin.

This is where Indfrag Biosciences bridges the gap, delivering the Indian answer to glass skin - hydrated, luminous, and balanced with visible improvements tailored to local needs.

"Centella Triterpenes : Indfrag's Breakthrough for Indian Skin!"

Indfrag has completely optimized Centella extracts for Indian skin, breaking down the herb to identify the most effective combination of actives for hydration, anti-aging, barrier repair, and pigmentation management.

By standardizing key compounds with Madecassosides, Asiaticosides and genins, the triterpene 30% extract delivers precision, potency, and versatility.

Unlike premium Centella extracts that have traditionally been expensive due to complex supply chains and lower efficacy, Indfrag has streamlined sourcing directly from Madagascar, eliminating middlemen and optimizing production to offer potent extracts at cost-effective prices. This makes it possible for formulators to create products that are scientifically validated, affordable, and tailored for Indian consumers.

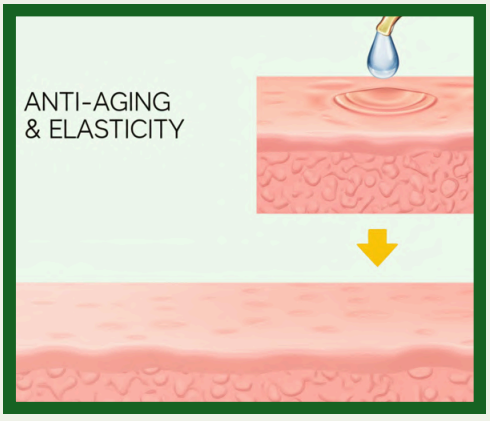
The extract is highly palatable for formulators, easily incorporated into serums, creams, or other innovative skincare formats, maintaining stability and efficacy without compromise.

By balancing efficiency, affordability, and versatility, Indfrag empowers formulators to create products that meet the specific physiological and environmental needs of Indian skin.

How Transformative Are the In-Vivo Results of Centella Asiatica Extract with 30% Triterpenes?"

Hydration and Skin Barrier

- ***Significant improvement in skin moisturization by 48.39% in 14 days & 75.85% in 28 days***
- ***Skin water barrier function improved by 13.81% in 14 days & 23.33% in 28 days***

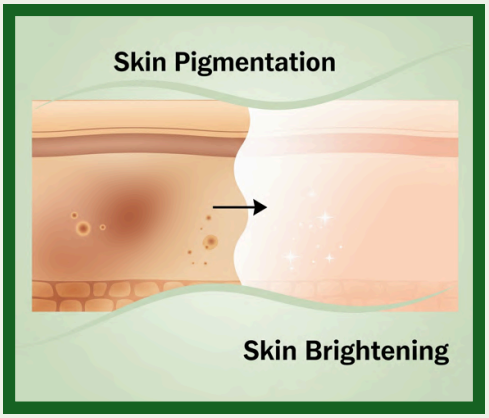


Anti-ageing and Skin Elasticity

- ***Skin firmness improved by 2.13% in 14 days; elasticity increased by 0.53% in 14 days***
- ***Crow's feet wrinkles intensity reduced by 6.80–9.41% in 28 days***

Pigmentation & Brightening

- ***Melanin content reduced by 1.86% in 14 days & 3.75% in 28 days***
- ***Dark spots reduced by 19.86% in 14 days & 28.77% in 28 days***



Skin Texture

- ***Smoothness improved by 15.31% in 14 days & 26.20% in 28 days;***
- ***skin softness improved by 11.52% in 14 days & 19.35% in 28 days***

These results highlight how Centella Triterpenes effectively addresses hydration, anti-aging, barrier repair, pigmentation, and texture, providing formulators a scientifically validated, versatile ingredient designed specifically for Indian skin.

The in vivo results clearly demonstrate how Centella Asiatica Extract 30% Triterpenes delivers the key attributes of Indian Glass Skin: deep hydration, enhanced elasticity, visible brightening, and improved texture, all tailored for melanin-rich and pollution-exposed skin.

The combination of anti-aging benefits, increased firmness, and smoother texture creates a luminous, balanced appearance, translating the scientific outcomes into the visual and tactile qualities that define Indian Glass Skin.

"From Ancient Roots to Scientific Breakthroughs"

Indfrag's Centella asiatica extract with 30% Triterpenes is more than just an ingredient, it's a solution for the Indian skincare industry.

Formulators can now create products that deliver Indian Glass Skin, tailored to the unique challenges of melanin-rich, pollution-exposed, and climate-diverse Indian skin.

Why follow trends designed for Korean or Western skin when the Indian version of glass skin is possible?

With Centella Triterpenes, formulators gain access to a premium, cost-effective, and highly efficacious extract, optimized for serums, creams, and multiple product formats, ensuring measurable, visible results while honoring the heritage of Centella asiatica.

- YUKTHA SANKAR

Get in Touch, For more details and complete specifications, reach us at:

+91 9902396731
yuktha.sankar@indfragbiosciences.com
www.indfragbiosciences.com

References:

1. Pai, J. (2023). Decoding Indian Skin: Dermatologist Insights. SkinLab Clinics.
2. Coelho, K. (2024). Does K-Beauty Work on Indian Skin? A Dermatologist's Perspective. Femina.
3. Puri, P., & Sharma, A. (2017). Effects of air pollution on the skin: A review. Indian Journal of Dermatology, Venereology, and Leprology.
4. Lee, J. S., et al. (2019). Different Cosmetic Habits Can Affect the Biophysical Profile of Skin. PMC.
5. PMC. (2016). Skin Hyperpigmentation in Indian Population: Insights and Management.