# Yurvani

skin is 18% brighter

### 71% AGREE THAT SKIN TONE IS MORE EVEN

# GlowBack

## Innovation rooted in wisdom

### Ayurvedic cosmetic ingredients

Unlock the secrets of Ayurveda - the ancient Indian science behind a new generation of natural, high-performance beauty products.

Our innovative ingredient blends combine years of wisdom with modern studies to deliver proven results. Each plant-powered complex features time-tested botanicals, rooted in a rich heritage of classical Ayurvedic formulations.

Welcome to the future of wellness, reimagined.

Natural, vegan & zero waste blends

### Sustainable sourcing

Beyond product performance, we're committed to social responsibility and sustainability. In addition to embracing a zero-waste philosophy by reusing any leftovers from ingredient production, we source our materials from small-scale Indian farmers and women-led self-help groups, empowering local communities.

## What is GlowBack?



Radiance Revealing Cosmobotanical

GlowBack is a brilliant composition of three standardized Botanicals, traditionally used for their wonderful properties for thousands of years.

The unique combination possesses excellent antioxidant, hyperpigmentation & dark spots reducing and anti-aging properties.

GlowBack exhibits markable radiance enhancing, moisturizing and anti-aging properties in clinical trial, over 78% of subjects agreed that their skin became brighter in just eight weeks of using 1% GlowBack cream.

### Ingredients

### Licorice

INCI Name - Glycyrrhiza glabra root extract Ayurvedic name - Yashti madhu

### Benefits:



- Wrinkle correction and anti-aging effect thanks to elastase enzyme inhibition
- Antioxidant properties and tyrosinase enzyme inhibition impart improvement of complexion, providing an even skin tone, and reduction of dark spots
- Anti-inflammatory properties help prevention against micro scarring
- Anti-microbial properties help fight against acne
- Soothing properties good to help dermatitis

### Indian Gooseberry

INCI name - Phyllanthus emblica fruit extract Ayurvedic name - Amalaki/Amla



#### Benefits:

- Excellent natural antioxidant one of the richest sources of vitamin C
- Effective for its UVB damage protecting and photo-protective properties
- Anti-aging, anti-hyperpigmentation and hydration properties that nourish the skin and help look it smoother and supple
- Potent elastase and collagenase enzymes inhibition properties

### Indian Winter Cherry

**INCI name -** Withania somnifera root extract Ayurvedic name - Ashwagandha



#### **Benefits:**

- Potent antioxidant properties help repair oxidative stress induced damage reducing aging signs like wrinkles, fine lines, blemishes and dark spots
- Imparts a relaxing, soothing and revitalizing effect on body, lowering cortisol level
- Boosts collagen formation enhancing skin-repair and cell-regeneration processes
- Stimulates the production of hyaluronan which helps in keeping skin hydrated and supple

### **Functions & Benefits**

- Brightens skin and enhances radiance •
- Helps prevent damage from free radicals •
- **Reduces oxidative stress** •
- Acts as a collagenase enzyme inhibitor
- Prevents against UV exposure •
- Helps keep skin hydrated















Dermatologist approved

Clinically tested

Zero waste

Cold processable

100% natural

Vegan



Easy to manufacture with

### Typical Properties

INCI names	Glycyrrhiza glabra root extract, Phyllanthus emblica fruit extract, Withania somnifera root extract			
Appearance	Off white to brownish yellow, fine powder			
Solubility	90% minimum			
pH of 1.0% solution	4.0-6.5			
Applications	Creams, Lotions, Serums, Gels, Sunscreens, Masks; Waterless formulations			
Usage level	1.0% - 2.5%			
Storage	Store in tightly sealed containers at room temperatures. Avoid exposure to excessive humidity & heat			

### **Clinical studies findings**

### Skin Brightening

Results observed in 60 days from application of GlowBack 1% cream twice daily on right side of the face in terms of skin melanin.

Instrument used Mexameter.

Visual results of skin colour improvement.





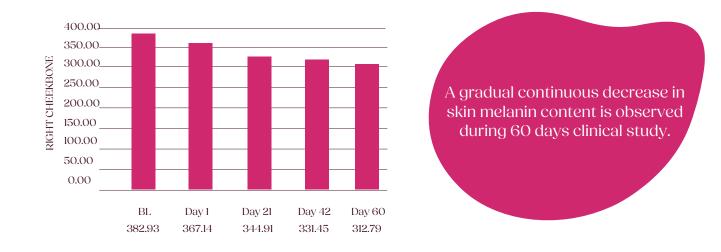
Day 1

Day 60

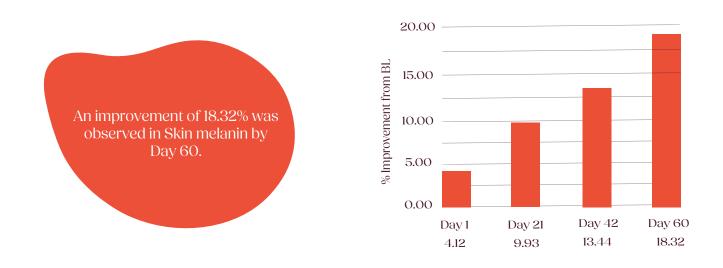
Table showing mean Skin Melanin data (Right cheekbone) at baseline (TO) to Day 60.

Test Site	BL	Day 1	Day 21	Day 42	Day 60	% Improvement
Rt Cheekbone	382.93	367.14	344.91	331.45	312.79	18.32

Graph showing mean skin melanin (Right cheekbone) results at TO to Day 60.



Graph showing skin melanin % improvement (Right cheekbone) results at TO to Day 60.



### Further Clinical Studies Findings

### **Skin Elasticity**

- By Day 60, 26.43% improvement on Right Crow's feet area has been seen in terms of skin elasticity
- By Day 60, 34.73% improvement on Right Cheekbone area has been seen in terms of skin elasticity

#### **Skin Moisturization**

By Day 60, 45.87% improvement on Right Cheekbone area has been seen in terms of skin moisturization

For further details (data, graph, pictures), please contact us.

### Dermatologist's Assessment

Degree of wrinkle, skin moisture, skin firmness, skin smoothness, skin colour, and overall appearance of skin were visually evaluated by the dermatologist.

Parameter	ТО	Day 1	Day 21	Day 42	Day 60	% Improvement
Degree of wrinkle	4.71	4.71	4.00	3.07	2.79	40.91
Skin moisture	2.93	3.07	3.14	3.86	3.93	34.15
Skin firmness	2.57	2.50	3.21	3.79	4.07	58.33
Skin smoothness	2.64	2.57	3.07	3.57	3.64	37.84
Skin colour	3.00	3.00	3.50	3.50	3.57	19.05
Overall appearance	2.71	2.71	3.43	3.93	3.93	44.74

An overall improvement in parameters such as degree of wrinkles (40.91%), skin moisture (34.15%), skin firmness (58.33%), skin smoothness (37.84%), skin colour (19.05%) and overall health of skin (44.74%) were observed from the baseline till day 60.

### Subject Feedback

- Has skin tone become more even?
- Has skin brightened/lightened?
- Has overall appearance of dull, rough skin improved?
- Has skin texture improved?
- · Has appearance of fine lines & wrinkles reduced?
- Does skin feel smoother?
- Does skin feel softer and supple?
- Does skin feel hydrated and moisturized?



- 71.43% subjects agreed that their skin tone had become even
- 78.57% subjects agreed that their skin had become lighter
- 92.86% subjects agreed that their appearance of dull & rough skin was minimized and fine lines & wrinkles had reduced
- 85.71% subjects agreed that their skin texture had improved
- 78.57% subjects agreed that their skin had become smoother
- 100% subjects agreed that their skin had become softer & supple

### References

Licorice (Glycyrrhiza glabra, G. uralensis, and G. inflata) and Their Constituents as Active Cosmeceutical Ingredients. Antonietta Cerulli, Milena Masullo et al. Dipartimento di Farmacia, Università degli Studi di Salerno, Via Giovanni Paolo II n. 132, 84084 Fisciano, Italy 5 January 2022

Glycerolic Licorice Extracts as Active Cosmeceutical Ingredients: Extraction Optimization, Chemical Characterization, and Biological Activity. Petar Ciganović, Katarzyna Jakimiuk et al. Antioxidants (Basel). 2019 Oct; 8(10): 445. doi: 10.3390/antiox8100445 PMID: 31581512

Licorice (Glycyrrhiza glabra, G. uralensis, and G. inflata) and Their Constituents as Active Cosmeceutical Ingredients. Antonietta Cerulli, Milena Masullo et al. Cosmetics 9(1):7 January 2022 DOI:10.3390/cosmetics9010007

GLYCYRRHIZA GLABRA EXTRACT CREAM: EFFECTS ON SKIN PIGMENT "MELANIN". Akhtar Naveed, Haji shoaib Khan et al. 2011 International Conference on Bioscience, Biochemistry and Bioinformatics (ICBBB 2011)

Evaluation of Glycyrrhiza glabra Cream as Treatmentfor Melasma. Amina Hamed Alobaidi,Eqbal Salih Hamad et al. Submitted: May 26th, 2014 Published: February 4th, 2015 DOI: 10.5772/58918

GLYCYRRHIZA GLABRA: A PHYTOPHARMACOLOGICAL REVIEW. Rajandeep Kaur, Harpreet Kaur et al. INTERNATIONAL JOURNAL OF PHARMACEUTICAL SCIENCES AND RESEARCH. DOI: http://dx.doi.org/10.13040/IJPSR.0975-8232.4(7).2470-77

18β-Glycyrrhetinic acid: its core biological properties and dermatological applications. A. Kowalska, U. Kalinowska-Lis et al. International Journal of Cosmetic Science. https://doi.org/10.1111/ics.12548

Potential Use of Amla (Phyllanthus emblica L.) Fruit Extract to Protect Skin Keratinocytes from Inflammation and Apoptosis after UVB Irradiation. Khwandow Kunchana, Wattanased Jarisarapurin et al. Antioxidants (Basel). 2021 May; 10(5): 703. doi: 10.3390/antiox10050703

Role of Emblica officinalis in Prevention of Skin Disease. Anand A. Zanwar, Sachin L. Badole et al. October 2013 DOI:10.1007/978-1-62703-167-7\_40

. Low molecular-weight tannins of Phyllanthus emblica: Anti-aging effects. Ratan Chaudhuri, C. Hwang et al.

Antioxidant, anti-collagenase and anti-elastase activities of Phyllanthus emblica, Manilkara zapota and silymarin: an in vitro comparative study for anti-aging applications. Sirinya Pien-taweeratch, Vipaporn Panapisal et al. Published online: 24 Feb 2016 https://-doi.org/10.3109/13880209.2015.1133658

Withania somnifera (L.) Dunal whole-plant extracts exhibited anti-sporotrichotic effects by destabilizing peripheral integrity of Sporothrix globosa yeast cells. Sudeep Verma, Ashish Kumar Gupta et al. Published online 2022 Jun 17.doi: 10.1371/journal.pntd.0010484

Inhibitors of Intracellular Signaling Pathways that Lead to Stimulated Epidermal Pigmentation: Perspective of Anti-Pigmenting Agents. Genji Imokawa and Koichi Ishida et al. Int J Mol Sci. 2014 Withaferin A—A Promising Phytochemical Compound with Multiple Results in Dermatological Diseases. Simona Bungau, Cosmin Mihai Vesa et al. Molecules. 2021 May; 26(9): 2407.

In vitro protective effects of Withania somnifera (L.) dunal root extract against hydrogen peroxide and  $\beta$ -amyloid(1-42)-induced cytotoxicity in differentiated PC12 cells. Kumar S, Seal CJ, Howes MJ et al. Medicinal Plant Research Group, School of Agriculture, Food and Rural Development, Newcastle University, Newcastle upon Tyne NE1 7RU, UK. Phytother Res. 2010 Oct;24(10):1567-74

The relationship between chondroprotective and antiinflammatory effects of Withania somnifera root and glucosamine sulphate on human osteoarthritic cartilage in vitro. Sumantran VN, Chandwaskar R et al. Interactive Research School for Health Affairs (IRSHA), Bhartiya Vidyapeeth Deemed University Medical College Campus, Dhankawadi, Pune 411043, India. Phytother Res. 2008 Oct;22(10):1342-8.

Protective effect of Withania somnifera (Solanaceae) on collagen glycation and cross-linking. Babu PV, Gokulakrishnan A et al. Department of Biochemistry, Islamiah College, Vaniyambadi 635 752, Tamil Nadu, India. Comp Biochem Physiol B Biochem Mol Biol. 2007 Jun;147(2):308-13. Epub 2007 Jan 31.

"Ayurveda teaches us to live in harmony with ourselves, others, and the environment to achieve true wellbeing"

#### About us

Yurvani is a UK-based ingredient manufacturer specialising in Avurvedic blends. We help brands unlock the secrets of Ayurveda - the ancient Indian science behind a new generation of natural, high-performance beauty products.

Looking for something specific? We also develop custom blends. Get in touch to find out more!

Yurvani

#### Get in touch



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