



PHYTOGLO™ COLLAGEN

PLANT-BASED COLLAGEN

INCI NAME

Water, Glycerin, and Acacia Senegal Gum

USAGE LEVEL

1-3%

DESCRIPTION

Collagen is a structural component of skin that is responsible for overall firmness. As humans age, the amount of collagen decreases, resulting in thin and wrinkled skin. To combat this issue, cosmetics have been adding collagen to serve as a solution to the natural collagen loss. However, collagen is derived either synthetically or from animal products, which conflicts with the popular vegan claim. As a solution to this problem, Laksi developed PhytoGlo™ Collagen that functions as a plant-based collagen alternative.






Acacia Senegal Gum is functioning as the hero ingredient in this complex by mimicking the benefits of animal-derived collagen. It has been shown that acacia gum is beneficial in terms of skin hydration and barrier function. Acacia gum provides an immediate lifting effect while smoothing wrinkles, resulting in an overall younger-looking appearance. This 100% natural and sustainable gum can be incorporated into cosmetic products while complying with vegan claims.

BENEFITS

- Natural Collagen Alternative
- Plant-Based
- Sustainable
- Vegan
- Restores Skin Barrier
- Smooths Wrinkles

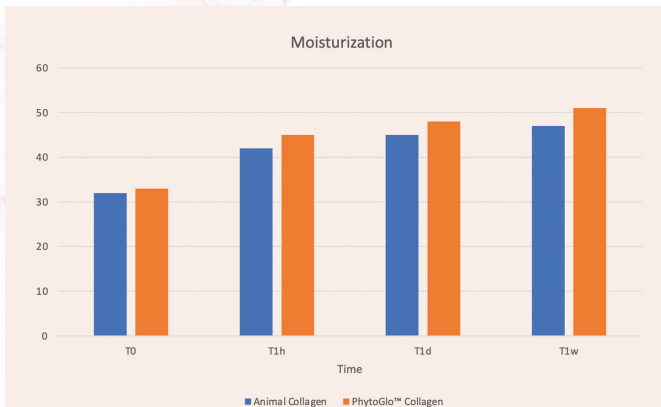
CLINICAL TESTS

IN VIVO TEST

-  20 women, 18 – 60 years old
-  T0, T1h, T1d, 1w
-  Twice a day
-  Applied on Forearm (Leave on)
-  Cream with 3% PhytoGlo™ Collagen, compared to placebo

1. Moisturization (Corneometer)

Ingredients	Cream with 3% Animal Collagen	Cream with 3% PhytoGlo™ Collagen
Water	✓	✓
Glycerin	✓	✓
Cetearyl Glucoside	✓	✓
Cetyl Alcohol	✓	✓
Sorbitan Olivatate	✓	✓
Cetyl Palmitate	✓	✓
Sorbitan Palmitate	✓	✓
Sorbitan Oleate	✓	✓
Cetearyl Alcohol	✓	✓
Collagen	✓	
Senegal Acacia Gum		✓
Phenoxyethanol	✓	✓
Ethylhexylglycerin	✓	✓



Time	Animal Collagen	PhytoGlo™ Collagen
T1h	31.25%	36.36%
T1d	40.63%	45.45%
T1w	46.88%	54.55%

MOISTURIZATION TEST

Conclusion:

Similar moisturization to animal derived collagen while respecting vegan claims