

FSS10343PF.

# FSS Cucumber Extract G PF

BOTANICAL EXTRACTS

VEGAN

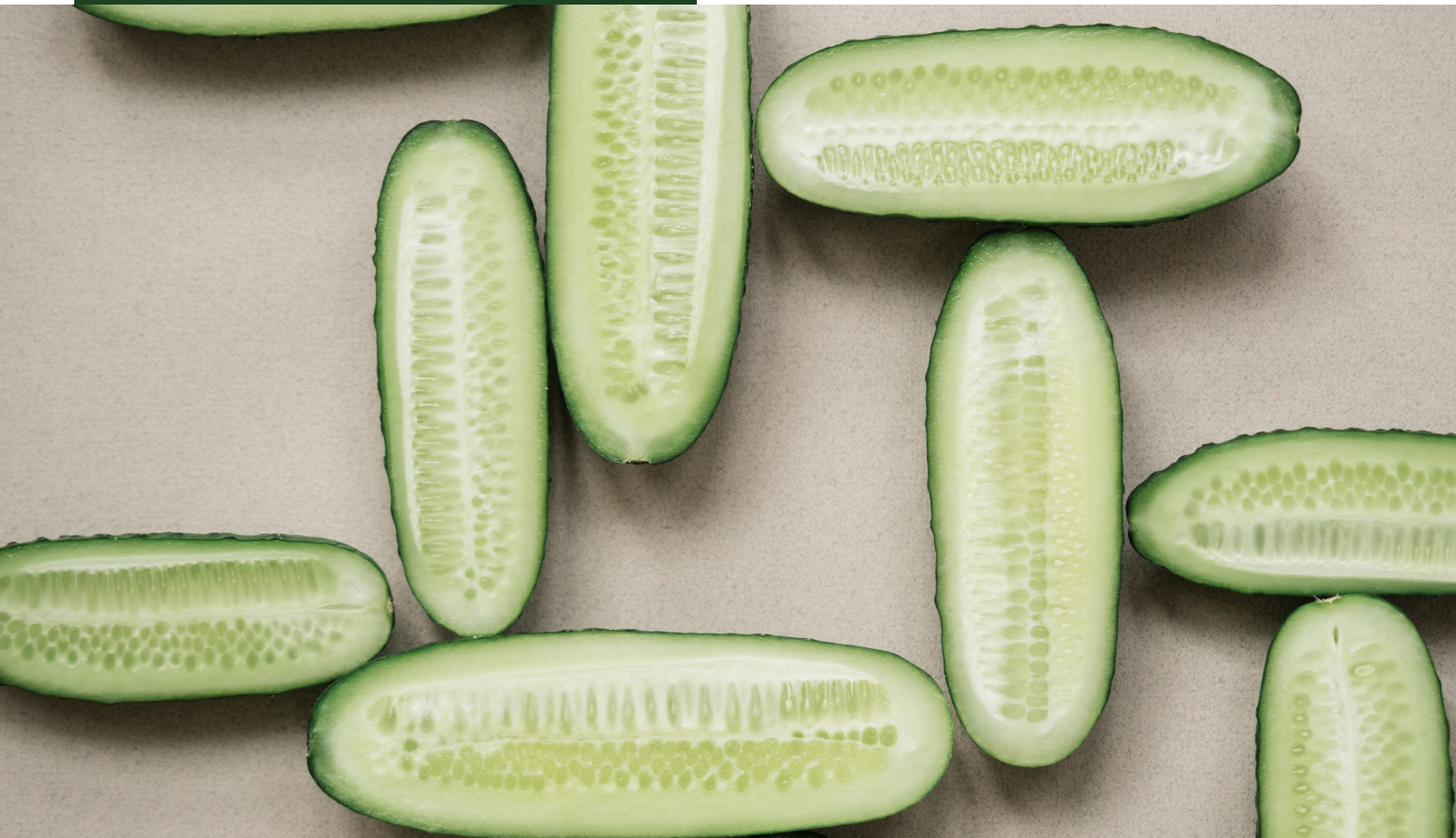


CHINA



Revitalizing  
Nourishing

*Actions*



WHITE SHEET.

# FSS Cucumber Extract G PF

## THE REGULATION.

**INCI.** Water & Glycerin & Cucumis Sativus (Cucumber)  
Fruit Extract

**CAS.** 7732-18-5 & 56-81-5 & 89998-01-6

**EINECS.** 231-791-2 & 200-289-5 & 289-738-4

**EUROPE.** Approved

**USA.** Approved

**CHINA.** Approved

## THE SPECIFICATION.

**Origin.** Botanical

**Natural Antimicrobial.** Leuconostoc/Radish Root  
Ferment Filtrate\*

**Preservatives.** None

**Solvents Used.** Water & Glycerin

**Soluble/Miscible.** Water Soluble

**Appearance.** Translucent, Light to Dark Brown Liquid

**Use Level.** 1- 10 %

\* Please note this product contains Leuconostoc/Radish Root Ferment Filtrate (Tradename: FSSM15008-Leucidal® Liquid) - supplied by Formulator Sample Shop, LLC - containing 18.0–22.0% Phenolics (tested as Salicylic Acid). Please refer Leucidal® Liquid product literature for additional information.

## THE STORY.

Cucumber (*Cucumis sativus*) is a widely cultivated gourd-like vegetable. While delicious eaten raw, cooked, or pickled, cucumber is also a classic beauty staple. This vegetable gained its reputation in the ancient civilizations of Egypt, Greece, and Rome, where people not only consumed the fruit but also cultivated it for its incredible skin healing benefits. Today, spas and facial treatments still pair cucumber slices with pampering. For good reason, cucumbers are found in face packs, facials, and many nutritional products such as cucumber juice cleanses. Backed by the vision of quickly reducing wrinkles, puffy eyes, evening complexions, sunburn treatment and skin tightening, choosing cucumbers for personal care applications adds an element of spa-like relaxation and refreshment.

Cucumbers are often used for the holistic treatment of blemished skin and soothing heat rashes. They are applied externally as a poultice for burns, sores and softening of the skin. The colloquial phrase, “cool as a cucumber” is likely based on its incredible water content and its unique, refreshing taste. With a shocking 95% water content, fresh cucumber is an obvious source of hydration and valuable source of vitamins A, B6, C, K, in addition to dietary fiber, thiamin, folate, pantothenic acid, magnesium, phosphorus, and potassium.

Notably, the rind of the cucumber is rich in natural silica. Silica is an essential component of healthy connective tissues in the body, including muscles, tendons, ligaments, and cartilage. These vitamins and minerals inside cucumbers are helpful with preventing water retention, soothing skin irritations, and reducing swelling from the inside out.

Clearly, cucumbers are instantly recognized for both their nutritious benefits and skin refreshing ability. Whether the cucumber slices are in a salad or in a facial treatment, the iconic benefits of cucumber are in the personal care industry to stay. FSS Cucumber Extract G PF offers the opportunity to capitalize on the benefits of cucumber in a variety of hair and skin care formulations.



### References:

1. Mukherjee, Pulok K., et al. "Phytochemical and therapeutic potential of cucumber." *Fitoterapia* 84 (2013): 227-236.
2. Murad, H., and M. A. Nyc. "Evaluating the potential benefits of cucumbers for improved health and skin care." *Journal of Aging Research & Clinical Practice* 5.3 (2016): 139-141.
3. Sahu, Tripti, and Jyoti Sahu. "Cucumis sativus (cucumber): A review on its pharmacological activity." *Journal of Applied Pharmaceutical Research* 3.1 (2015): 04-09.

**Website**  
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