

Enhances Shoden®'s Whole Body Benefits

New research continues to differentiate Shoden® from other ashwagandha extracts

Shoden[®] Supports Overall Wellness

Shoden® has been clinically studied to support better:

Whole Body Benefits

Sleep Habits



✓ Shoden® improves restorative sleep by 42%¹

- Increases quantity of sleep by 36 minutes
- Stress Levels ✓ Shoden® reduces feelings of



moodiness, anxiety, and stress by 21%2 Reduces morning cortisol levels by 23%

- **Vitality**
- ✓ Shoden® can minimize fatigue

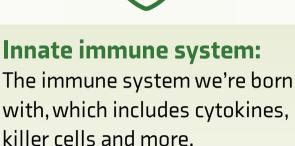


- in men by 14.7%
- Now with New Clinically Researched

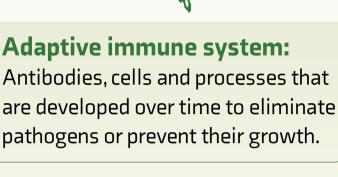
The first known human clinical study to demonstrate immune effects of ashwagandha4 Supplementing with Shoden® ashwagandha

subjects by modulating their innate and adaptive immune systems.

significantly improved the immune profiles of healthy



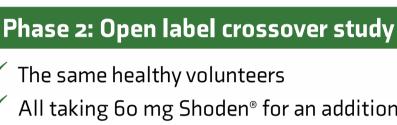
Phase 1: Randomized, double-blind, placebo-controlled study ✓ Healthy volunteers



at days o and 30

✓ Biochemical immunomodulation markers measured in blood

- **The findings:** Shoden® activated innate and adaptive
 - various T-cells, B-cells, and NK (natural killer) cells were increased. Antibodies were also up.



✓ The same healthy volunteers ✓ All taking 60 mg Shoden® for an additional 30 days (no placebo group)

significant improvements in innate and adaptive

The benefits

The findings: The cross-over study showed

immune response. Cytokines like INF- γ and IL-4, and



markers for both groups, confirming the immune supporting benefits of Shoden®.

Significant Immune Health Benefits Shoden®: High Bioavailability, Low Dose & Sustainable







Less Environmental Impact Shoden® utilizes the benefits of both the roots

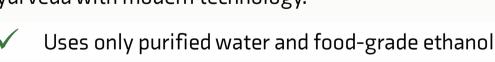
The ashwagandha plant is 10-15% roots and 50-60% leaves by weight Both the roots and leaves deliver valuable withanolides

The leaves often go to waste - sacrificing valuable bioactives

The ashwagandha plant remnants are often burned

after harvest, contributing to dangerous smog levels

and leaves to have less environmental impact.



Enhances potency of bioactives

approach to ashwagandha

High Bioavailability

Over 21 diverse withanolide glycosides, thanks to root

Significant levels of withanolides remain

Industry-leading 35% withanolide glycosides

- May be used as a stand-alone ingredient or in combination,
- and leaf processing Measured by HPLC (high performance liquid chromatography)

Broader range and higher potency of bioactives.

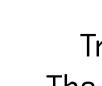
for supplements targeting:

Stress and improvement anxiety

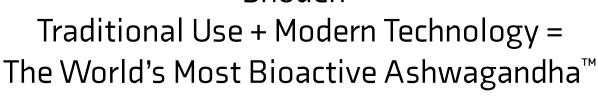
Flexible Formulation

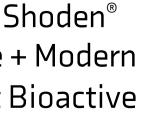
Immune

health





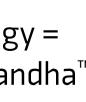






Cognitive

support



Sports

nutrition

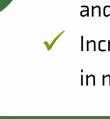
NutriScience

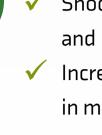
sales@nutriscienceusa.com | Tel: 1-203-372-8877 Shoden® is part of an exclusive portfolio of proprietary ingredients from NutriScience Innovations, LLC, and is a registered trademark of Arjuna Natural Pvt. Ltd

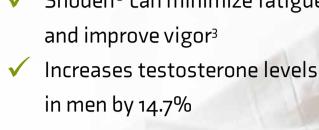
References: 1. Deshpande A et al. "A randomized, double blind, placebo controlled study to evaluate the effects of ashwagandha (Withania somnifera) extract on sleep quality in healthy adults." Sleep Medicine. 2020; 72: 28-36.

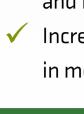
2. Lopresti AL et al. "An investigation into the stress-relieving and pharmacological actions of an ashwagandha (Withania somnifera) extract: A randomized, double-blind, placebo-controlled study." Medicine (Baltimore). 2019 Sep; 98(37). doi: 10.1097/MD.0000000000017186. 3. Adrian I. Lopresti, et al. "A Randomized, Double-Blind, Placebo-Controlled, Crossover Study Examining the Hormonal and Vitality Effects of Ashwagandha (Withania somnifera) in Aging, Overweight Males, "J. Mens Health, Mar-Apr 2019:13(2), doi: 10.1177/1557988319835985.

PAID CONTENT

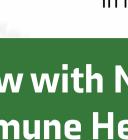


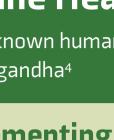




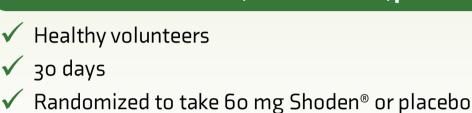




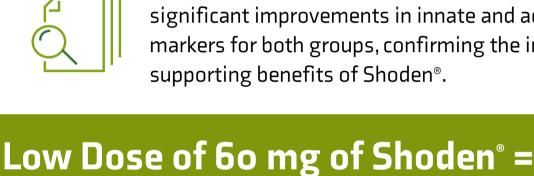














Bioactives are extracted from the root and leaves of the ashwagandha plant. All Shoden® ashwagandha is grown on family-owned farms in India utilizing eco-friendly practices. Most harvesting is done by hand Minimal water consumption Natural fertilizers and pesticides

Superior two-step extraction process combines traditional Ayurveda with modern technology.

Modern Extraction Technology

GRAS (Generally Recognized As Safe)

Leverages full power of the plant for a modern

in the blood even after 24 hours

High withanolide content = low dose options of 60-120 mg.

Cost Effective

Sleep











4. Tharakan A et al. "Immunomodulatory Effect of Withania somnifera (Ashwagandha) Extract—A Randomized, Double-Blind, Placebo Controlled Trial with an Open Label Extension on Healthy Participants." JCM. 2021; 10(16):3644