

EXCLUSIVELY FROM NUTRALAND



Upcycled from rice germ.
A natural source of
Spermidine & Polyamines.

Miricell™

Rice Germ Polyamines

Frequently Asked Questions



1st place Winner
NIE's New Ingredient Awards
(Personal Care category)

○ What is it?

Miricell™ is an **award-winning, patent-pending** and **SA-GRAS Affirmed** rice germ extract rich in Polyamines and standardized to natural Spermidine content (1% & 2%).

○ What are the health benefits of Miricell™?

○ Autophagy ○ Healthy aging ○ Hair health ○ Cognitive health ○ Hormone health ○ Heart health ○ Weight management

○ What about safety?

Natural Spermidine & Polyamines are the subject of numerous studies supporting their safety and health benefits.

The safety of Miricell™ is backed by its SA-GRAS status.

To the best of our knowledge, there is no safety study on synthetic Spermidine (in the form of Spermidine Trihydrochloride).

○ What studies do you have on Miricell™?

A large-scale clinical trial (nearly 700 participants) identified a cohort of subjects that experienced sharper cognitive function, plus overall improvements in hair and nail health were observed in the treatment groups.

A groundbreaking pilot study demonstrated Miricell™ can stimulate autophagy and positively impact cardiometabolic markers including CRP, VLDL and triglycerides. Also, a laboratory study showed that Miricell™ slowed the shortening rate of telomeres.

○ Where and how is Miricell™ sourced and manufactured?

Miricell™ is sourced from upcycled rice germ, a byproduct of modern milling, which respects and fully uses natural resources for a sustainable future.

Miricell™ is manufactured at Nutraland's **BRC Grade-A Certified & US FDA Inspected** facility utilizing a patent-pending process in compliance with 21 CFR 117.

Miricell™ is produced using only fair and ethical trade and labor practices and complies with current governmental EHS (environmental, health & safety) regulations both domestically and internationally.

○ What is the difference between Miricell™ and other Spermidines?

Synthetic Spermidine (Spermidine Trihydrochloride) is not the same molecule as natural Spermidine.

Miricell™ offers more than Spermidine - it is also rich in other beneficial Polyamines such as Spermine.

Unlike most wheat germ derived Spermidine, Miricell™ is free from Allergens and Gluten.

○ What are formulation options for Miricell™?

○ Tablets ○ Capsules ○ Softgels ○ Effervescent ○ Gummies ○ Melts ○ Powdered beverages ○ RTD's ○ Bars

○ What is the regulatory compliance status of Miricell™?

○ GRAS ○ Natural ○ Vegan ○ Kosher ○ Halal ○ Allergen-Free ○ Gluten-Free ○ Non-GMO/BE ○ Prop-65 compliant



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