Well Shine

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Biotechnology Development Co., Ltd. 2024/02-v1

About Well Shine

Well Shine Biotech Group was established in 1987 with a business mission of "Commitment to Sustainability, Integrity, and the improvement of Health and Beauty". We are dedicated to researching and developing various rare and precious fungi that promote health. We always insist on producing products backed by scientific evidence and promoting human health with our hearts and consciences.

Well Shine's main products used to be health supplements, e.g. Antrodia camphorate, Ganoderma lucidum and Canavalia ensiformis etc. Starting in 2015, we initiated research into the extraction technology of chitosan from the residue of Ganoderma lucidum. After six years of endeavor, we achieved a technological breakthrough. All the shareholders supported the plan to establish the world's first mushroom chitosan extraction factory. Upon witnessing this impressive breakthrough, the Hsinchu Science Park Administration promptly granted a license for the establishment of a manufacturing facility in the Yilan Science Park.

The brand new high-tech biopolymer manufacturing facility is scheduled to be completed in Q4 of 2023, and production will commence in Q1 of 2024.

ROADMAP

The Lan's family established Hua Jian Co., Ltd, the former Company of Well Shine, which mainly traded in health supplements and leather OEM.

1987

Well Shine firstly developed the technology of cultivating the fruiting body of Antrodia Camphorata obtained patent protection in United States, Taiwan, China and Hong Kong. Moved to Nankang Software Park II (Biotechnology Building F)

A major breakthrough in Mushroom chitin/chitosan extraction technology, move-in HsinChu Science Park Yilan (PhaseII) base on this research results.



States and Taiwan. Extended branch

stores for 150 physical stores.

In 1994, the company underwent restructuring, and was renamed Well Shine Biotechnology Development Co., Ltd., focusing on edible rare mushroom supplements.

start production in 2024.



Chang Zhou, LAN

President

Mr. Chang Zhou LAN., Graduated from Tokyo University of Agriculture and obtained a Master of Science in Biochemistry. He has been focusing on researching and developing biotechnology for almost 3 decades. He was awarded the Outstanding Award Medal, named in honor of Mr. Ohara, the founder of Tokyo University of Agriculture, and has also served as the Chairman of the Taiwan Food Safety Research Foundation He intergrades world-class biotechnology experts over the world and advanced technologies and equipment to develop a series of products to benefit human health.

Our Missions:

SUSTAINBILITY

INTEGRITY

PROMOTE HEALTH & BEAUTY

Technical Consultants



Medical Professor, Ching Hua Su Taipei Medical University International nomenclature scholars for Taiwan's endemic Antrodia camphorata



Medical Professor, Tzay Shing Yang National Defense & Yang Ming University Completed 20 drug Phase III clinical trials at Taipei Veterans General Hospital



Medical Professor, Ken Hu Chang En Chu Kong Hospital Expert in integrated therapy, cellular immunology research & treatment



Professor, Win-Ping Deng Ph.D. in Cancer Biology, Harvard University, US Expert in cell therapy & regeneration medicine



Professor, Toyohara Hidekazu Tokyo University of Agriculture, Japan Expert in tropical plant research



Professor, Robert M., Levin Albany College of Pharmacy and Health Science, USA Expert in Urology research, published over 500 research papers



Medical Professor, Thanh-Tuan, Huynh University of Medicine and Pharmacy, HCM Vietnam Expert in Neurological Research and Treatment



Extraction Plant and Lab



Biomedical Polymer Division

Well Shine® Biopolymer

Well Shine is the first company in the world to develop technology for mass-producing mushroom chitin/chitosan from the residue of extracted Ganoderma lucidum and Antrodia camphorata. We named the extracted material Well Shine® Biopolymer.'

The structure of Well Shine[®] Biopolymer is unique, as it is a compound of (1-3,1-6) β -Glucan polysaccharide and chitin/chitosan, providing advantages and being superior to shrimp/crab chitosan in many applications, especially in the medical, cosmetic, food supplement, textile, and other industries.

The lab test results show that Well Shine[®] Biopolymer has no sign of causing human allergic reactions and is a non-sensitizer and non-irritant to the skin. It is also outstanding in hemostasis, bacteria inhibition, and the viability activation of skin and cornea cells. Additionally, it can serve as an alternative dietary supplement to crab/shrimp chitosan, particularly for vegetarians.



Biopolymer Products

Botanical origin Derived Chitin/ Chitosan

Well Shine[®] Biopolymer materials are derived from Ganoderma Lucidum and Antrodia Camphorata. The polymer structure is composed of (1-3,1-6) β -Glucan + chitin/chitosan. Well Shine[®] Biopolymer is a non-allergenic, clean, and safe material with a traceable source. It is a perfect alternative to chitosan derived from crustacea sources, such as shrimp/crab shells.

Lab test results have indicated that Well Shine[®] Biopolymer exhibits following features:

- Biocompatibility
- Hemostatic property
- Antimicrobial property
- Cell viability-enhancing ability
- Biodegradability
- Chelating ability

Based on these features, Well Shine® Polymers is an excellent material for use in cosmetics, supplements, medical devices, pharmaceuticals, filtration systems, textiles, and as biodegradable materials.







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Health Supplement Division

Supplement OEM/ ODM / OBM

Well Shine is well known for supplying various high-quality herbal supplement formulations and materials to many famous supplement brands in Taiwan.

We cultivate fungi in scientifically and environmentally controlled farms to ensure their safety and purity. A dedicated extraction factory with unique proprietary 2-stage extraction technology, is the key to higher extraction efficiency of active compounds, such as triterpenoids and polysaccharides, making Well Shine's extract powder of better quality and more costeffective than the competition.

Our flagship supplement products include:

- Ganoderma Lucidum extract (Lingzhi/Reishi)
- Antrodia Camphorata extract
- Canavalia Ensiformis (Jack bean) extract (CavaTide[®])
- Beta Glucan/ Chitin
- Botanical origin Omega 3, Lutein, enzyme…etc.



Supplement Products

- Ganoderma Lucidum (G.L.)
- Antrodia Camphorata (A.C.)
- Canavalia Ensiformis + probiotics + cranberry extract
- Sacha Inchi Oil
- Sacha Inchi Oil + Lutein
- Sacha Inchi Oil + D3
- A.C.+ glutathione (GSH) + Vitamin C
- A.C. lozenge
- Red yest rice
- A.C.+ Antler + Arginine
- Probiotics + enzymes + oligosaccharides
- UC II + A.C. extract + ginger extract
- Other ODM, OEM products

Cultivation Farm

Environmental Sustainability Scientifically & Environmentally Controlled

The cultivation of Ganoderma lucidum through the use of sawdust bags is a popular method. The substrates for the mycelium of both Ganoderma lucidum and Antrodia Camphorata consist of sawdust mixed with proprietary ingredients.

To promote environmental sustainability, we use sawdust from selected windbreak trees, which is a sustainable forestry approach that promotes ecosystems. The sawdust is sterilized with steam to eliminate any potential contaminants that could harm the mushrooms.

A water curtain is used as a form of air filtration to prevent airborne bacteria and contaminants from entering the farm. The humidity is controlled by spraying mist in a greenhouse, creating a forest-like environment that is beneficial for plant health.

The sawdust, water, substrate materials and harvested Ganoderma lucidum and Antrodia Camphorata are all tested to ensure they are clean and safe.



Opportunities

Market Perspectives



MDR Regulation Change

The Medical Device Regulations (MDR) will classify all devices manufactured using tissues or cells of human or animal origin, or their derivatives, which are non-viable or rendered non-viable, as Class III. As Well Shine[®] Biopolymer is of botanical origin, it can help medical device manufacturers to mitigate potential impacts.



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Non-Allergen

Shrimp/crab shell-derived chitin/chitosan has a higher risk of causing human allergic reactions. Well Shine® Biopolymer is a mild and botanical origin derived Chitin/Chitosan. It is a perfect alternative for replacing shrimp/crab shell-derived chitosan in the medical, textile, cosmetics, and food supplement applications.

Vegetarian Market

Vegetarians do not take shrimp/crab-derived chitosan as a dietary supplement. β-Glucan derived from botanical sources provides a new market opportunity for the vegetarian world.

Skin Care Market

The in-vitro testing of Well Shine[®] Biopolymer has produced outstanding results. Well Shine[®] Biopolymer was approved by the Personal Care Products Council (PCPC) of the United States and issued the INCI name (Beta-Glucan/Chitosan) certificate. The cosmetic industry represents a significant market opportunity for Well Shine[®] Biopolymer.

ESG + Cost Effective

Well Shine[®] Biopolymer is derived from the residue of Ganoderma lucidum extraction. We maximize the use of the cultivated fungal material through our dedicated extraction factory, which integrates the production of both Ganoderma lucidum extract and chitin/chitosan. This allows us to make our products more cost-effective.



Target Markets





CONTACT US

Headquarter:

11F-5, No. 3, Park St., Nangang District, 11503, Taipei, Taiwan

Factory:

2F-6, No. 5, Yike E Rd., Yilan City, Taiwan











contact@wsbio.com.tw

