

# A REPORT ON OBTAINING **FDA** CLAIM FOR OUR **BRANDED** INGREDIENTS

On October 23, 2020, Chenland Nutritionals Inc. officially received a letter from the FDA (U.S. Food and Drug Administration), confirming that Chenland's branded ingredient JointAlive® (FDA NDIN 1172.) has successfully passed the NDI (New Dietary Ingredient) certification.

More recently, our innovative curcumin CuminUP60® (SFC Number: 2022-000491) and EuBone® (SFC Number: 2022-000717) have successively passed the FDA's structure-function claims, and their quality has been affirmed by the authorities.

This means that our customers may use this information for the promotion of their products without regulatory concerns.



International Brand, High-Quality Branded Ingredients



JointAlive® is a patented branded ingredient, which is composed of three Chinese medicinal herbs: Epimedium, Discoreia and Salvia Miltiorrhiza. Together they have a history of more than 2,000 years of consumption. JointAlive® is scientifically formulated to bring this traditional formula to the modern supplement market. And as a natural all-plant formula, JointAlive® is free of animal ingredients and chemical synthetics. It is a natural bone and joint protector, which can quickly provide lasting relief for joint pain and effectively support joint health. Studies have shown that JointAlive® can help users relieve joint pain within 7 days, increase the speed of joint self-repair by 1.3 times, greatly reduce joint inflammation and swelling, and improve joint flexibility. More research shows that JointAlive® has broken through its original functional direction. It can not only serve various demographics who are troubled by joint problems, but also has strong applications in the field of pet nutrition.



JointAlive® has passed 3 preclinical efficacy verifications, 5 safety and toxicology studies, and 2 clinical studies; it also has passed the official NDI certification for new dietary ingredients; and is the first pure Chinese medicine compound in the NDI catalog. It has also a completed FDA structure / function claim filing to support joint health structure-function claims. This fully shows that it has a sufficiently high level of safety and oversight.

- **100% herbal formula ; Established mechanism of action**
- **Accelerates joint repair speed by 1.3X**
- **Small dose and fast action**
- **Synergistic formula that is 6.5 times better than glucosamine**



In August 2022, Chenland Nutritionals Inc. officially received the letter of self-certification, confirming that the branded ingredient CuminUP60® successfully passed GRAS certification, affirming its safety as a food additive.



CuminUP60® has successfully passed the US GRAS certification, showing that CuminUP60® has a sufficiently high level of safety, and that the ability level of the reporting company and scientific research team behind CuminUP60® has been recognized. GRAS approval is another step towards our goal of the internationalization of plant and marine branded ingredients.



CuminUP60® is a high-quality curcumin ingredient developed by Chenland using its patented CGSF technology (solvent-free co-grinding preparation technology). CuminUP60® has advantages in areas such as curcumin content, bioavailability, and dispersibility in water.

It is reported that CuminUP60® complies with the organic certification level. Compared to ordinary 60% curcumin, the bioavailability (confirmed by clinical data) is 14 times higher, CuminUP60® can provide better water dispersibility, and has a neutral taste and attractive color. Chenland's biological research and development team also made a series of efficacy evaluations on CuminUP60®. According to the existing data, CuminUP60® curcumin can not only effectively regulate the body's immune system and build the defense line of the immune system, but also has significant effects in relieving fatigue and improving exercise ability.

- **Over 60% Curcuminoid Loading**
- **High Aqueous Phase Dispersion**
- **Bioavailability Proven by Clinical Data- The consumption is 14 times higher than that before treatment**
- **Patented physical process, micron-sized particles**



EuBone® (Compound Extract of Eucommia Ulmoides) is a natural plant formula designed to support hormone regulation and bone health for menopausal and postmenopausal women.

Different in nature from the later-stage bone treatment drugs that must be taken at fixed points and quantitatively, it has been confirmed by multiple studies that EuBone® can effectively balance estrogen in women and at the same time achieve multiple health protections of enhancing bone density and bone strength. With clinical support, EuBone® is 100% effective in balancing estrogen secretion and relieving osteoporosis symptoms.



- **The first herbal formula to bidirectionally regulate the calcium and phosphorus metabolism.**
- **Bidirectionally regulates the balance of osteoblasts and osteoclasts.**
- **Regulates the bone metabolism signaling pathway by decreasing the ratio of RANKL/OPG by 45%.**



As convenience is becoming more and more important in consumers' choices, Chenland has launched applications that can meet various dosage forms. Solid beverage, liquid beverage, concentrate, soft candy, jelly and other application forms can be satisfied.

At the same time, Chenland can provide various forms of OEM/ OEM processing services to create the best nutritional plan for your needs.

In the future, we will continue to select global GAP natural herbs and marine organisms to extract high-quality branded ingredients, use modern nutritional science research methods to verify the mechanism of action and clinical effects, and develop a series of patented nutritional ingredients, which are applied to nutrient-fortified foods, beverages and dietary supplements Formula innovative solutions for such products as meet the growing global demand for natural nutrients, improve human health, and enhance the quality of life!



Chenland Nutritionals, Inc.

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Enriching Quality of Life

Chenland Nutritionals, Inc. is a leading supplier of natural branded ingredients. Our global headquarter is in Irvine, California. We select only globally certified GAP herbs and marine organisms to ensure our ingredients promote safety, quality, and sustainability. We specialize in TCM-based brand ingredients scientifically backed through in-vitro and in-vivo testing, alongside preclinical and clinical trials. We are committed to providing our customers with innovative solutions to health problems and meeting the world's growing natural nutritional needs.