

About Gentcare Natural Ingredients Inc.

>>Company Profile

Gentcare Natural Ingredients Inc. (GNI) has been dedicated to being specialists on two fields: Study on how natural plant ingredients benefit human health, R &D and applications for the extraction and purification techniques of natural plant ingredients. Based on these, GNI develops, produces and supplies to our customers the qualified and innovative product series, such as natural plant extracts, natural nutraceuticals, their finished products, and etc., as well as powerful technique supports and excellent service.....



GNI founded in 2001 to be a technically innovative enterprise that devotes itself to R &D, production and export of natural plant extracts.

GNI has been dedicated to study on how natural plant ingredients benefit human health; as a result, GNI has grasped the knowledge for over 500 kinds of plants, their main active ingredients and how they benefit human health, dozens of healthcare and treatment aspects, which mainly includes: Antioxidants and Free Radical Scavenging, Immune System Enhancement, Anti-aging and Life Extension, Anti-cancer and Cancer Prevention, Anti-virus, Anti-inflammation, Anti-fatigue and Body Energy Levels Improvement, Anti-depression, Sleep Improvement, Memory and Cognition Enhancement, Weight Loss, Sexual Function and Libido Enhancement, Men Health Improvement(Prostate Problem and Bladder Disorders Prevention and Treatment), Women Health Improvement(Menopause Symptoms Relieving), Breast Enhancement, Cardiovascular and Circulation Health Improvement, Anti-diabetic and Anti-hyperglycemia, Antihypertensive and Blood Lipids Reduction, Heart, Liver, Lung and Digestive System Protections, Eye and Vision Protection and Improvement,



长沙捷凯生物制品有限公司 *Gentcare Natural Ingredients Inc.*

Add: Room 1106, #13-3 Chang Fang Dong Jun, #111 East Renmin Avenue, Changsha Hunan, 410016, China. 长沙市人民东路 111 号长房东郡 13 栋 1106 室, 邮编: 410016 Tel: +86-731-82287663 Fax: +86-731-82284663
E-mail: naturalextract@vip.163.com Web site: www.GNI-natural.com

Bone Health (Bone Density Improvement and Osteoblast Activity in Bone Tissue Stimulating), Body Nutrition Support and Replenishment (such as microelements, amino acids, and Vitamins), and etc..

GNI has been dedicated to the R & D and applications for techniques of nature plant ingredients extraction and purification, which has successfully resulted in our achievements on over 300 kinds of plants, their active functional compositions containing and their extraction and purification process techniques. Base on these, GNI develops, produces and supplies to our customers the qualified and innovative product series, such as natural plant extracts, natural nutraceuticals, their finished products, and etc.

GNI commits itself to satisfying the customers' demands for plant extract product series, which are moving forward continuously, and elevating the quality standards increasingly, as well as providing the customers with powerful technique supports and excellent services.

GNI looks upon the factors mentioned hereunder as its "Core Competence" and its ultimate conditions of existence, which GNI has been and will be persevering. They are the accumulative achievements, competence, experience and learning resulted from GNI's tireless efforts on these aspects: Innovations and advantages of its process techniques; Integrated applications for the fledged process techniques of all those related industries such as pharmaceuticals, foodstuff, beverage, cosmetics, and etc.; Pursuance and improvement of technological element of the products; Pursuance and improvement of product quality; Pursuance of product cost advantage; Incorporating all the manpower, technical force and sources of the whole company to develop products and provide services to satisfy the customers.

GNI Enterprise Tenets: From The Nature, Of The Science, For The Health!

GNI Enterprise Spirits: Keep Faith, Good Quality, Valuable Service and High Efficiency.

GNI Enterprise Orientation: User's requests are our working direction.

>>GAP Plant Base—Quality, Safety and Resource Sustainability

The safety and quality of GNI's natural plant extract series originate in the natural raw plants used in our processes. In order to ensure the safety and quality of the raw herbs and plants, namely to ensure the heavy metals and pesticide residue and other safety indexes of the raw herbs and plants and their final products do not exceed the safety criteria, and ensure the active ingredients contents in the raw plants meet the standards, GNI has constructed its GAP (Good Agricultural Practices) standardized

plant base of the raw plants for its main products. Strictly according to the GAP standards, GNI cultivates and harvests its main raw herbs and plants used in its products.....



As defined by the UN FAO, the term GAP (Good Agricultural Practices) can refer to any collection of specific methods and principles, which when applied to agriculture, produce results that are in harmony with the values of the proponents of those practices, and which apply for on-farm production and post-production processes, resulting in safe healthy food and non-food agricultural products, while taking into account economical, social and environmental sustainability. They mainly contain the methods and principles as Integrated pest management, Integrated fertilizer management and Conservation agriculture (natural resources and environmental sustainability). The GAPs by United States Department of Agriculture (USDA) focus on food safety. China State Food and Drug Administration (SFDA) has established its GAPs to ensure the safety and quality of Traditional Chinese Medicine (TCM), as well as to ensure the sustainability of the natural resources of the medicinal herbs and plants. SFDA has begun to accept the medicinal herb and plant cultivation enterprise to apply for GAP certificate since November 1, 2003. The implement of the SFDA GAP certification system has shown great significances, which has promoted a series of momentous changes of the cultivation enterprise, from traditional, small-scale, dispersive, unordered, ill-formed, safety-unwarranted and quality-unstable to large-scale, centralized, ordered, well-formed, safety-guaranteed and quality-stable, which fundamentally ensure the safety, quality of the medicinal herbs and plants, as well as their sustainability.

The safety and quality of GNI's natural plant extract series originate in the natural raw herbs and plants used in our processes. In order to ensure the safety and quality of the raw herbs and plants, namely to ensure the heavy metals and pesticide residue and other safety indexes of the raw herbs and plants and their final products do not exceed their safety criteria, and ensure the active ingredients contents in the raw herbs and plants meet the standards, GNI has constructed its GAP (Good Agricultural Practices) standardized plant base of the raw herbs and plants for its main products by means of cooperation with the GAP cultivation enterprises. Strictly according to the GAP standards, GNI scientifically cultivates, manages and harvests its

main raw herbs and plants used in its products. All these ensure us to satisfy our customers' demand for both quality and quantity.

>> Factory &. GMP Produce

GNI owns a factory for natural plant Extract series, completely equipped with advanced facilities, which are of an annual manufacturing capacity of over 200MTs standardized plant extracts. GNI conducts its production and quality management by strict GMP and ISO9001:2000 Criteria, and formulates and implements the SOP (standard operating procedures) accordingly. GNI manufactures its products in the workshop completely isolated, level 100,000 cleaned and dust-free. GNI adopts various vanguard and innovative technologies in its production.....



GNI owns a factory for natural plant extract series, completely equipped with advanced facilities, which are of an annual manufacturing capacity of over 200MTs standardized plant extracts. All the manufacturing equipments are made of stainless steel materials, mainly including 2 sets of 4 M³ multiple functions distilling and extraction tanks, 2 high level plant extract manufacturing lines, 20 sets of column absorption chromatogram and ion exchange chromatogram separators applying to multiple rosins, and other corresponding equipments for crystallization, isolation, concentration, filtration, spray and vacuum drying, grinding, blending and packing.

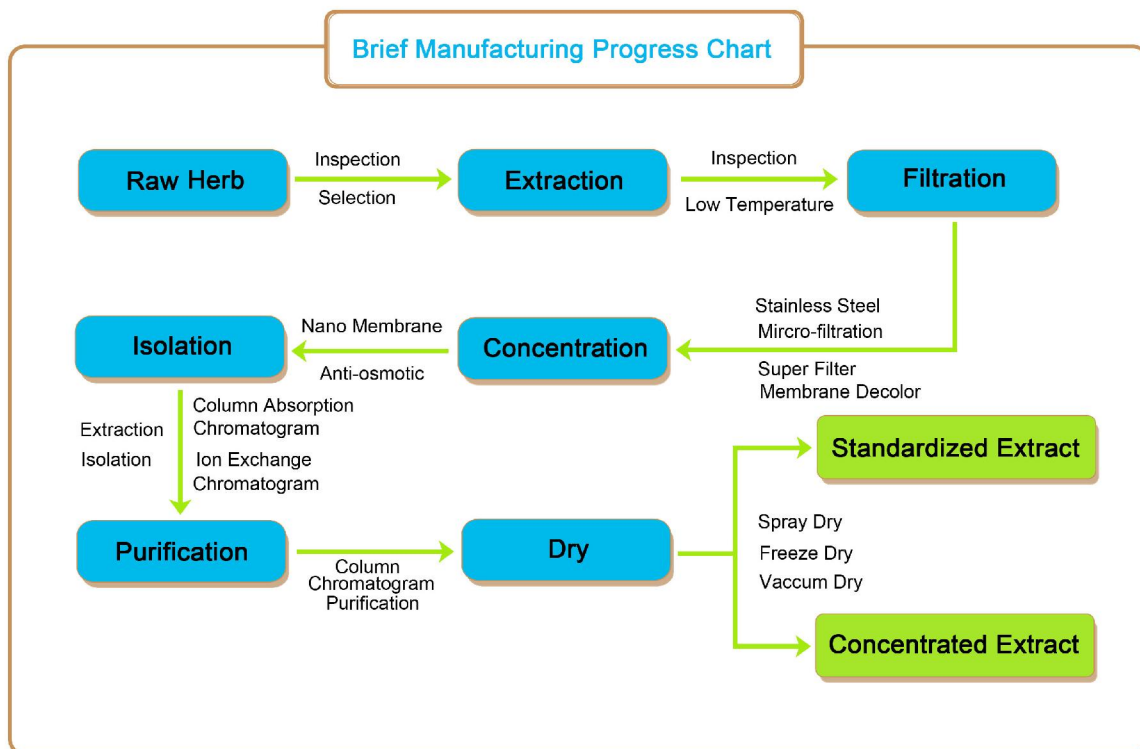
GNI Factory major production units:

- Extraction Unit: 3,000MT Plant Materials / year.
- Concentration Unit: 30,000MT(liquid) /year.
- Liquid-Liquid Extraction Unit: 3,000MT of inputs per year.
- Crystallization Unit: 100-200 Kg/day.
- Chromatography Unit: 1,000kgs(inputs)/batch.
- Spray Drying Unit: 500kg (dry powder)/day.
- Vacuum Drying Unit: 500Kg(dry powder)/day.

· Annual Output: 200MT of high quality standard extracts.

GNI conducts its production and quality management by strict GMP and ISO9001:2000 Criteria, and formulates and implements the SOP (standard operating procedures) accordingly. GNI manufactures its products in the workshop completely isolated, level 100,000 cleaned and dust-free.

GNI adopts various vanguard and innovative technologies in its production. Novel extraction technologies have been applied in our manufacturing, such as lower temperature extraction, adverse current extraction, Nano-membrane isolation, high efficiency isolation and purification, column absorption chromatogram, ion exchange chromatogram, anti-osmotic concentration, freeze drying, and etc., which ensure the innovation and quality of GNI products.



>> Product & Service

GNI commits itself to provide promoted services and innovated products with plentiful types and good quality. Its natural plant extract series has been widely used as the raw material of the industries as pharmaceuticals, food supplement or health food, food additives, food, beverage, essence/spice, cosmetics, and etc., which made a great sales record in more than 30 countries and areas.....



GNI commits itself to provide promoted services and innovated products with plentiful types and good quality. Its product series contains: plant extracts (Standardized Extracts, Concentrated Extracts, Plant Component Monomers, Single Plant Extracts and Formula Plant Extracts, and etc.), herb and plant powders, plant concentrated juice powders, vegetable and fruit powders or concentrated juice powders, medical or healthy plant oil dry powders, and etc., as well as the half-finished products and finished products processed from the former products, which includes: various preparation formulations of natural ingredients function formulas, food supplements, nutraceuticals, health food and so on). In the same time, GNI provides OEM and Value-added services including blending, granulating, encapsulating/tabletting, labeling, packing, and etc.

The main plant extract product line of GNI includes: Mangosteen Fruit Extract (Alpha-mangostin), Polygonum cuspidatum Extract (Resveratrol), 5-HTP, Black Sesame Extract (Sesamin), Flaxseed Hull Extract (Lignans SDG Secoisolariciresinol Diglycoside), Green Coffee Bean Extract (Chlorogenic acid), Honeysuckle Flower Extract (Chlorogenic acid), Olive Leaf Extract (Oleuropein), Caralluma fimbriata Extract, Ginkgo Biloba Extract, Luo Han Guo Extract, Ginseng Root Extract, Grape Seed Extract (OPC), Rhodiola Rosea Extract, Red Clover Extract (Isoflavones), Soy Bean Extract (Soy Isoflavones), Kudzu Root Extract (Puerarin and Isoflavones), Echinacea Extract, Bitter Melon Extract, Cordyceps Extract CS4, Maitake Mushroom Extract, Agaricus bisporus Extract, Epimedium Extract (Icariin), Apple Bark Extract (Phloretin), Banaba Leaf Extract, Loquat Leaf Extract (Ursolic acid), Bilberry Extract (Anthocyanidins), Green Tea Extract (EGCG), Black Tea Extract (Theaflavines), Garlic Extract (freeze Dried), Macleaya cordata Extract, Piper Nigrum Extract (Piperine), Lycopene, Yohimbine, Artemisinin, Shikimic acid, Magnolia Bark Extract (Magnolol and Honokiol), Citrus Aurantium Extract (Synephrine), Kava Kava Root Extract, Valerian Root Extract, Saw Palmetto Extract, Pumpkin Seed Oil Dry Extract, Butcher's Broom Extract, Tribulus Terrestris Extract,

Rosemary Extract, Lemon Balm Extract and so on. GNI's natural plant extract series has been widely used as the raw material of the industries as pharmaceuticals, food supplement or health food, food additives, food, beverage, essence/spice, cosmetics, and etc., which made a great sales record in more than 30 countries and areas.

>> Quality Control &. Analysis

GNI maintains a strict and integrated quality control and analysis system based on GMP and ISO 9001:2000 criteria. All of GNI's products must pass through strict analysis and inspection to ensure they comply with the quality standards and meet the customs' requirements.....

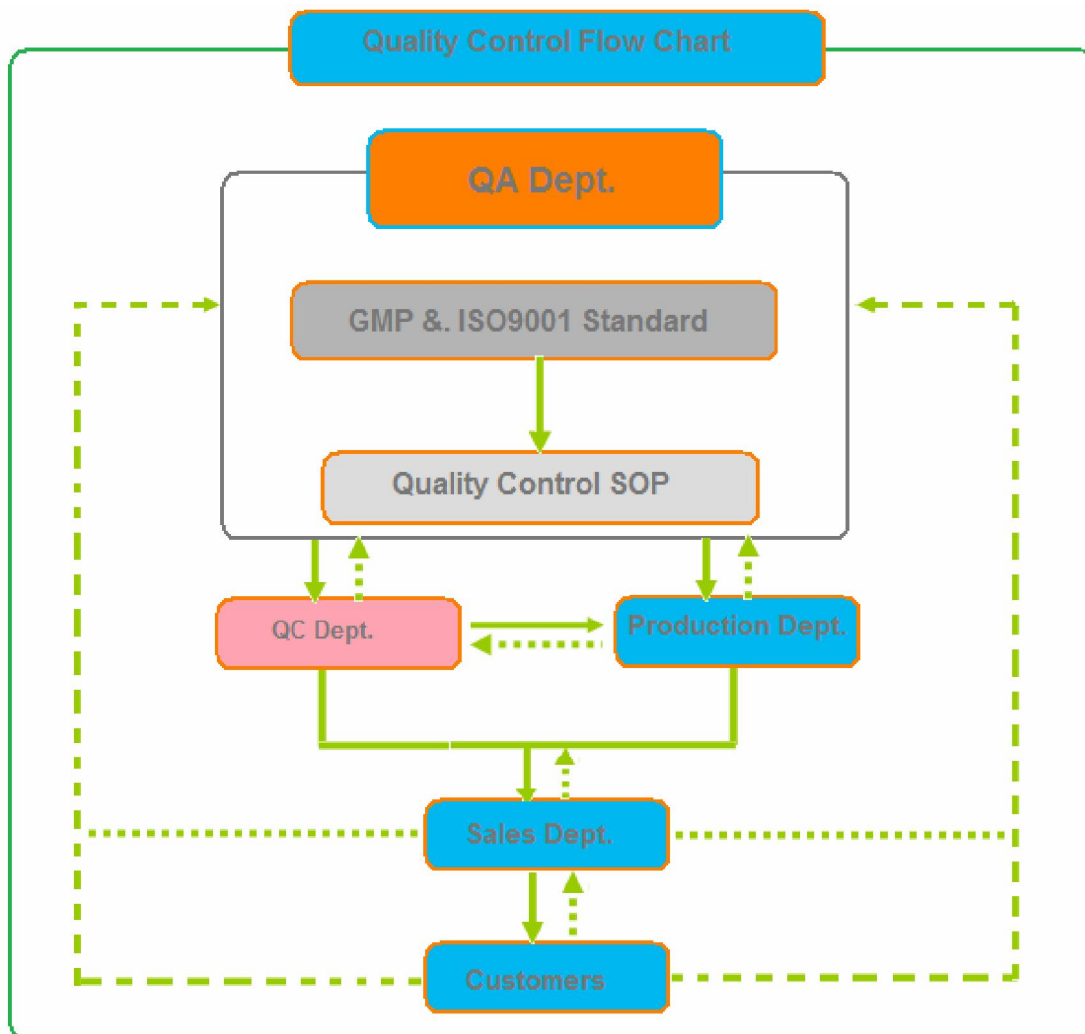


GNI maintains a strict and integrated quality control and analysis system based on GMP and ISO 9001:2000 criteria. The whole system strictly complies with and is conducted by GMP and ISO 9001:2000 criteria and the corresponding SOP (standard operating procedures), which incorporates almost all the company's functional departments and even our customers.

Among the whole system, QA (quality assurance) Department acts as its central, which is in charge of the staff training, supervision and evaluation to the system, also upgrading the methods and collecting the information and feedbacks on product quality and services from the related functional departments and the customers, and incorporating the related functional departments to execute the research and improve the work to satisfy the requirements from the customers. The other important department is QC (quality control)

department, which is especially responsible for the test and control of quality of both raw materials and the final products.

All of GNI's products must pass through strict analysis and inspection to ensure they comply with the quality standards and meet the customs' requirements. GNI has equipped all kinds of advanced analysis and test instruments, such as HPLC, HPTLC, HPLC-ELSD, UV-Vis, GC, TLC, and etc., most importantly, we have gathered a team of high-caliber and well-trained technologists to conduct the quality analysis and control.



>> R &. D and Innovation

GNI is a distinctive leading enterprise in the field of natural plant extract, very earnest about fostering its capability of R &. D and innovation. GNI owns an out-standing R &. D team, and a new-style Lab equipped with all kinds of advanced instruments and apparatus. GNI system of R &. D and innovation is vibrant and open-end one. GNI's R &. D and innovation has yielded a rich harvest.....



GNI is a distinctive leading enterprise in the field of natural plant extract, very earnest about fostering its capability of R &. D and innovation. GNI owns an out-standing R &. D team, which includes specialists and talents from numerous academic subjects, such as herb and plant extraction technology, phytochemistry, phyto-pharmacy, food industry technology, pharmaceuticals, bio-tech, and etc.. GNI owns a new-style Lab equipped with all kinds of advanced instruments and apparatus, such as HPLC, HPLC-ELSD, GS-MS, Atomic Absorbance Spectrophotometer, Nano-membrane system, Freeze-drier, SFE CO₂, and etc.

GNI strategically devotes vast manpower, financial resources, physical resources, and organization resources to the research and development, gathering the first-rank talents and all the corresponding functional departments to take part in them. To ensure we're the pioneer in the field, GNI systematically train our R&D employees both in technology and in specialty and introduce first-class R&D and innovation talents, on the other hand, GNI encourages them to take part in domestic or international academic intercourse and push them to cooperate widely with relevant academic research institutes and other companies in this line. GNI system of R &. D and innovation is vibrant and open-end one.

As a result, GNI's R &. D and innovation has yielded a rich harvest. It has accomplished the R&D and process technology designs for several dozens of natural plant ingredients and several hundreds of final products, and successfully transferred them to large-scale manufacturing, which has set up a strong and stable foundation for the company's continuous growing.