



**HANMI**  
NATURAL NUTRITION



With 50 years of experience,  
we are creating an era of  
100 years of health.

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**QUOTE**



# A friend of 100 years who protects health, Hanmi Natural Nutrition, a health companion for 100 years old

Just as healthy soil produces good fruits, good products are made with a healthy entrepreneurial spirit. As a health care company with more than half a century of experience, we aim to become “a 100-year-old health protector of mankind”. Hanmi Natural Nutrition is a good friend that never changes for a healthy world.



## CEO Message

[Business motto] Unity and Harmony 人和

### A friend of 100 years who protects health

Since its founding in 1967 by Chairman Jeong Jong-kyung, Hanmi Natural Nutrition has been with the people as a 100-year-old health keeper for over half a century to protect a happy life through health, the most precious value of all mankind.

In Mencius, the word “人和” emphasizes that human harmony is the most important thing rather than heavenly or geographical luck. The basis for this is honesty.

On top of the value of harmony management, we will continue to move forward as a true and healthy company together with our customers.

We will do our best to achieve a healthy body, a healthy mind, and a healthy society through ethical management rather than the pursuit of only profit.

[Business philosophy] Coexistence and Coprosperity 共存共榮

### A health companion for 100 years old

The history of health care food has changed from the 60s and 70s when standards were weak, to nutritional supplements in the 80s, health supplements in the 90s, and health functional foods in the 21st century, and Hanmi Natural Nutrition has been with the process. The people's standard of living has improved unprecedentedly in the world, and the healthcare industry is demanding a higher quality level due to the growing interest in health.

Hanmi Natural Nutrition has been working with the development of the Korean healthcare industry. Now, based on our long manufacturing experience, we will do our best to meet the responsibilities as an international professional health functional food manufacturing company and the people's demands for a century of health. We will be together with the people and the world as a good friend who protects health, the most precious value of mankind.

CEO Jeong Myeong-soo

# History

Hanmi Natural Nutrition, which has been walking the 'one path' of a health functional food company for half a century, continues today. Open a new chapter in health functional food with Hanmi Natural Nutrition, which has maintained its know-how and quality management based on a long tradition.

## 1960~

- 1967** Establishment and open up a oriental ingredient distributor Daesung Co. (President Jeong Jong-Kyeong)
- 1975** Establishment of Haeyong Co. and start manufacturing pill or granule type health supplements
- 1980** Taking over Samkang Pharm. Co. and start manufacturing oriental medicine
- 1982** Taking over Hwang-gum Co. and start manufacturing functional teas
- 1986** Change company name to Hanmi Natural Nutrition Co. and start as a food manufacturer
- 1989** Expand its business to health functional food with bottle, can production facilities
- 1999** Construction of a new factory in Munsan, Paju

## 2010~

- 2011** Food safety management merit award (Seoul Regional Office of Food & Drug Safety)
- 2012** Commendation for honest taxpayer (Gyeonggi Provincial Government)
- 2013** Received 「Seoul Food and Drug Administration Award」
- 2014** ISO9001:2015 Quality System Certification (BSI Korea)
- 2015** Selected as 'Ministry of Agriculture, Food and Rural Affairs' policy project conduct company<Processing technology development project to expand the base of edible insects>
- 2018** Received 「Minister of Trade, Industry and Energy Award」 and 「Ministry of Agriculture, Food and Rural Affairs Award」  
Appointed as vice president of Korea Health Functional Food Association  
Venture Industry Development Merit Award (Governor of Gyeonggi Province)
- 2019** 「Prime Minister's Award」 (Venture Promotion Merit), 「Industrial Technology Award」 (Korean Society of Food and Nutrition)  
「National Academy of Agricultural Science Achievement Award」  
Selected as Ministry of Agriculture and Food policy project conduct company  
<Edible insect application liver protection hangover relief product development project>

## 2000~

- 2001** Inauguration of the 2nd CEO Jeong Myeong-soo
- 2002** HACCP factory completion and 35th anniversary commemorative event (Application of HACCP for health supplements and special nutritional foods for the first time in Korea)  
Received 「Ministry of Health and Welfare Award」 (30th Health Day)  
Awarded 「Food Safety Management Grand Prize」 (selected by Korea Management Association Consulting)
- 2003** Awarded 「Korea Consumer Safety Award」 (selected by Korea Management Association Consulting)
- 2004** Awarded 「Korea Management Quality Grand Prize」 (selected by Korea Management Association Consulting)  
CEO Jeong Myeong-Soo became a director of Korea Health Supplements Association  
ISO 9001 certification - LRQA  
GMP certification - Ministry of Food and Drug Safety

- 2006** Received 「Brand Grand Prize of the Year」 (Korea Consumer Forum)  
Gyeonggi's The Best Value certified by Gyeonggi Provincial Government  
Establishment of corporate affiliation health functional food research institute
- 2008** Innobiz Venture Business Certification (Small and Medium Business Administration)
- 2009** Designated as Promising Export Firm (Small & Medium Business Administration)

## 2020~

- 2020** Received 「Prime Minister's Award」 (contribution to job creation), 「Technology Innovation Award」 (Korean Society of Food and Nutrition)  
Policy project with Ministry of Agriculture, Food and Rural Affairs <Development of high value material and product using Gryllus bimaculatus hydrolysate>  
Policy project with Ministry of Agriculture, Food and Rural Affairs <Development of home meal medifood and menu for care and recovery of cancer patients>  
Appointed as vice chairman of the Korean Society for Food and Nutrition (CEO Jeong Myeong-soo)  
Gyeonggi Promising Small and Medium Business Certification (Governor of Gyeonggi Province)
- 2021** Establishment of Hanmi Medifood Material R&D Center  
Factory 2 construction began in Paju Seonyu Industrial Complex





01

## QA·QC

Quality Assurance  
Quality Control



### Manufacturing Management System

Hanmi Natural Nutrition's manufacturing management system is the first in the health functional food industry to apply GMP and HACCP systems simultaneously. We strictly comply with the applied management standards from raw materials to finished products and maintain excellent quality.

<b>GMP Applicable Items</b>	<b>All types of health functional food</b>
<b>HACCP Applicable Items</b>	<b>Some types of health functional food</b> Chitosan, glucosamine-containing products, etc.
	<b>All types of general food</b> Insect processed food, royal jelly, candy, cocoa mass, weight management manufactured food, other processed cocoa products, other processed sugar products, palm oil, fish oil, other vegetable oils and fats, liquid tea, solid tea, processed oils and fats, fruit and vegetable juice, fruit and vegetable beverages, red ginseng beverages, mixed beverages, processed fruits and vegetables, other processed products, enzyme foods, etc.



#### Good Manufacturing Practice

It is a system controlled by the Ministry of Food and Drug Safety which manages and authenticates a qualified standard company for ensuring high-quality health functional food.



#### Hazard Analysis Critical Control Point

It is a hygiene management system for food safety at each stage from raw materials to finished products, to prevent mixing or contamination of hazardous elements.



#### ISO9001:2015

It is a quality assurance system leading from product design, development to manufacturing and service, established by the International Organization for Standardization.



#### Food Traceability System

It is a system that manages and provides all history information at each stage to consumers from food manufacturing and processing to sales records, and quickly identifies the cause and takes necessary actions when a problem occurs.

## Main Analysis Equipment

The chemical/microbiological analysis team ensures rapid and accurate quality inspection with advanced analysis equipment and teamwork.



### HPLC

Analysis of functional materials, water-soluble vitamins, fat-soluble vitamins, micronutrients, etc.



**HPLC with High-pressure 6-way Switching Valve-UVD**



**HPLC-UVD, FLD, RID**



**HPLC with High-pressure 6-way Switching Valve-PDA**



**HPLC-FLD**



**HPLC-DAD**



**UV/Vis spectrophotometer**

Analysis of anthraquinone compounds, lutein, total chlorophyll, total pheophorbide, etc.



**ICP-OES**

Analysis of trace elements heavy metals (iron, zinc, selenium, magnesium, copper, calcium, etc.), hazardous heavy metals (lead, cadmium, arsenic)



**Mercury analyzer**



**GC-FID**

Analysis of functional materials, fatty acids, hazardous materials

# 02 Hanmi Medifood Material R&D Center

Hanmi Medifood Material R&D Center affiliated with Hanmi Natural Nutrition is equipped with a seamless system from material development to commercialization with professional research personnel and cutting-edge facilities, and is constantly researching to develop healthy foods.

We have been researching to produce scientifically proven safe products for 15 years since the establishment of the Munsan R&D Center at the headquarters of Hanmi Natural Nutrition in 2006. We are conducting research for the development of new materials and new formula by expanding and opening another R&D center in 2021.

Hanmi Natural Nutrition, a friend of 100-year who protects health, is constantly researching for the health of customers, such as health functional foods, health-oriented foods, age-friendly foods, pills, and insect foods to prevent diseases and maintain a healthy state.

We are conducting research tasks such as material development, product development, brand development, and marketing with academia and government agencies by establishing a research and development cooperation system.



## [Organization]



## [Core Technology]

Functional Food R&D	Edible Insect Food R&D	Nursing Care Food R&D	Material R&D
<ul style="list-style-type: none"> <li>• Health functional food material development</li> <li>• Material optimization technology development</li> <li>• Functional identification of food materials</li> </ul>	<ul style="list-style-type: none"> <li>• Future food resource development</li> </ul>	<ul style="list-style-type: none"> <li>• Development of care food and medi food such as elderly-friendly food, patient food, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• New food materials and processing technology development</li> </ul>



## [Major Research Achievements]

### 2015~ Research on cooking methods and development of processing technology to expand the base of edible insects

IPET project(National Academy of Agricultural Science, Kyungmin University)  
 Host institution: National Academy of Agricultural Science /  
 Cooperating institution: Hanmi Natural Nutrition, Kyungmin University

### 2018~ Development and commercialization of liver protection and hangover relieving products using edible insect hydrolyzate as the main raw material

IPET project(Host institution: Hanmi Natural Nutrition)

### 2020~ Development of home-cooked medi-food and dietary products for the management and recovery of cancer patients

IPET project(National Academy of Agricultural Science, Gangnam Severance Hospital, Kyungmin University)  
 Host institution: Hanmi Natural Nutrition / Cooperating institution: National Academy of Agricultural Science, Gangnam Severance Hospital, Kyungmin University

### Development of high value-added materials and products using hydrolyzate of crickets

IPET project(Dankook University, Kyungmin University)  
 Host institution: Hanmi Natural Nutrition / Cooperating institution: Dankook University, Kyungmin University

### 2021~ Development and commercialization of foods that use edible insect hydrolyzate as the main raw material to prevent hair loss or help hair growth

Agricultural Technology Commercialization Foundation(Host institution: Hanmi Natural Nutrition)

### Development of functional materials and application technologies derived from edible insects

IPET project(Host institution: Hanmi Natural Nutrition / Cooperative institution: Gachon University, Korea Functional Food Research Institute / Consignment institution: Gachon University Gil Hospital)



## [Commercialization]

**2008** • Registration of a patent No. 10-0840794 <Composition for high glucosamine content tablets and preparation method for the glucosamine tablets>

**2014** • Registration of a patent No. 10-1376052 <The foodstuff composition comprising the extract of Rubus coreanus Miquel of ethyl acetate fraction therefrom for bone growth-promoting>

**2017** • Registration of a patent No. 10-1808024 <Tablet comprising powder of Tenebrio molitor larva and manu facturing method for preparing the same>  
 • Registration of a patent No. 10-1808028 <Manufacturing method of powder of Tenebrio molitor larva using wet-grinding and spray drying method>

**2018** • Registration of a patent No. 10-1859174 <Manufacturing method for the edible Tenebrio molitor oil>  
 • Registration of a patent No. 10-1862270 <Method for producing of Tenebrio molitor granule with increased palatability and fluidity>  
 • Registration of a patent No. 10-1852840 <Hepatoprotective composition comprising enzyme treaded larva>

**2019** • Registration of a patent No. 10-1988959 <Stress relieving or anti-fatigue composition containing enzymatic treatment white grub>  
 • Registration of a patent No. 10-2060283 <Manufacturing method of Sunsik containing Tenebrio molitor larva powder with increased palatability>

**2020** • Registration of a patent No. 10-2076459 <Composite containing enzymatically modified Tenebrio molitor larva for increasing muscle mass and recover strength for recovering patients or the old and the infirm>  
 • Registration of a patent No. 10-2120323 <Liver protection of hangover cure composite containing enzymatically modified edible insect and medical herb extracts>  
 • Registration of a patent No. 10-2195880 <Composition for hair loss prevention or hair growth promotion containing cricket and Tenebrio molitor treated with high-pressure by steaming process and enzyme-decomposed>

**2021** • Registration of a patent No. 10-0158697 <Composition for immune modulation containing crickets pressurized steaming and enzyme-treated product>





# 03

## Facilities



GMP is a scientific management system for health functional foods, being the standard from the structure of the manufacturing plant to manufacturing, packaging, and shipment.

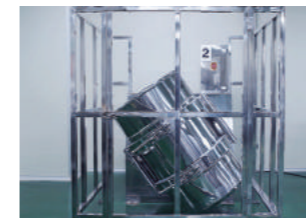
MFDS (Ministry of Food and Drug Safety) has introduced GMP (Good Manufacturing Practices) to supply excellent and high-quality health functional food to consumers.

We are equipped with a filling facility for extraction and concentration of liquid formulations and solid powders, granules, tablets, coatings, and soft capsules and hard capsules, and with a wide variety of types of automatic packaging line according to each formulation, capacity, and product characteristics.

In addition, these facilities are thoroughly blocked from external contamination in a constant temperature and humidity.

### | Mixed Manufacturing Line

#### Drum Mixer



Building large-scale liquid lines with extraction, concentration and preparation facilities

#### Double Cone Mixer



Able to mix large amounts of powder at once

#### Fluidized Bed Dryer



Flowing and drying powder by venting heated air

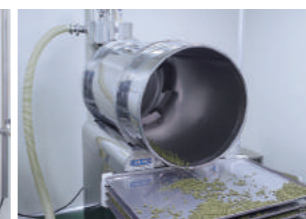
### | Pill Manufacturing Line

#### Pill Machine



Able to manufacture various sizes with high palatability and storage stability

#### Pill Coating Pan



#### Pill Coating Pan



Coating pills made from pill machine

### | Tablet Manufacturing Line

#### Tablet Press Machine



Holding a various size and shape molds such as rectangle, oval, round and triangle

#### Coating Machine



Improving the preservation and the stability of tablets through transparent coating or colored coating

### | Hard Capsule Manufacturing Line

#### Hard Capsule Encapsulation Machine



Forming powder and granule into No. 1 and No. 0, etc.



### | Soft Capsule Manufacturing Line

#### Soft Capsule Encapsulation Machine



Holding various sizes molding such as rectangle and oval shape



### | Liquid Manufacturing Line

#### Extraction/Concentration Liquid Tank



Holding large scale liquid tanks





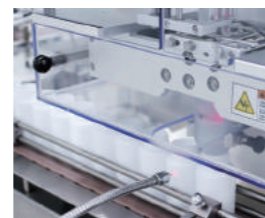
### | Bottle Packaging Line

Automating the entire process from bottle sorting to content input and cap sealing

Content input



Silica gel input



Shrink film input



Cap sealing



Labeling



Finished product packaging



### | PTP Blister Packaging Line

Automating the entire process from sealing the capsule or tablet formulation with AL-Foil and PVC to packaging the case

Content input



Sealing



Transfer



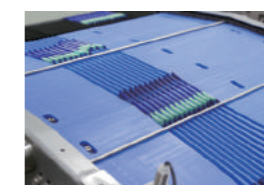
Case automatic packaging



### | Stick Pouch Packaging Line (24-Row)

Automating the entire process from packaging to case after sealing powders, granules, pills, etc. with sticks of various weights of 1.5 to 6 g.

Sort



Transfer



Case automatic packaging



### | Stick Pouch Packaging Line (6-Row, 10-Row, 12-Row)

Packaging of powders, granules, pills, etc. in various weights of 1.5 to 40 g

6-Row Stick Packaging Machine



10-Row Stick Packaging Machine



12-Row Stick Packaging Machine



### | Liquid Pouch Packaging Line

Small – 15~30 ml  
Large – 50~90 ml

Liquid Pouch(small) Filling Machine



Liquid Pouch(large) Filling Machine



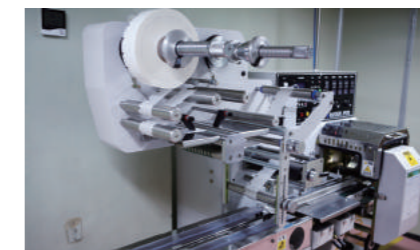
### | Pillow Packaging Line

Hygienically and individually packaged for easy portability and storage

Tablet Pillow Packing Machine



Pill Pillow Packing Machine



### | 4-Side Pouch Packaging Line

Hygienically individually packaged for easy portability and storage

Tablet/Pill 4-Side Pouch Filling Machine



Tablet Strip Pack Filling Machine





### Hard Capsule



### Soft Capsule



### Tablet



### Powder / Granule



### Liquid



### Pill



04

## Dosage Form

**We widen the scope of product development by realizing various formulations.**

We promise the best quality in various shapes and formulations such as liquid, powder, granule, tablet, capsule, pill, etc., considering the characteristics and functions of the raw material, and its own taste and aroma.





05

# Packaging



**Scientific, sensual, diverse and sophisticated packaging further enhances the value of the product.**

Packaging that maintains and preserves the best quality determines the safety of the product as well as its appearance. The sophisticated design further enhances the quality of the product and enables products globally competitive.

## PTP



## Powder Stick



## 4 Side Sealing Pouch



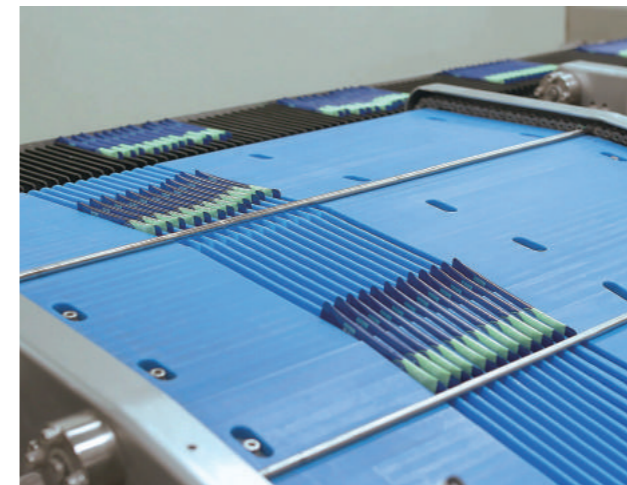
## Pillow



## Bottle



## Liquid Pouch

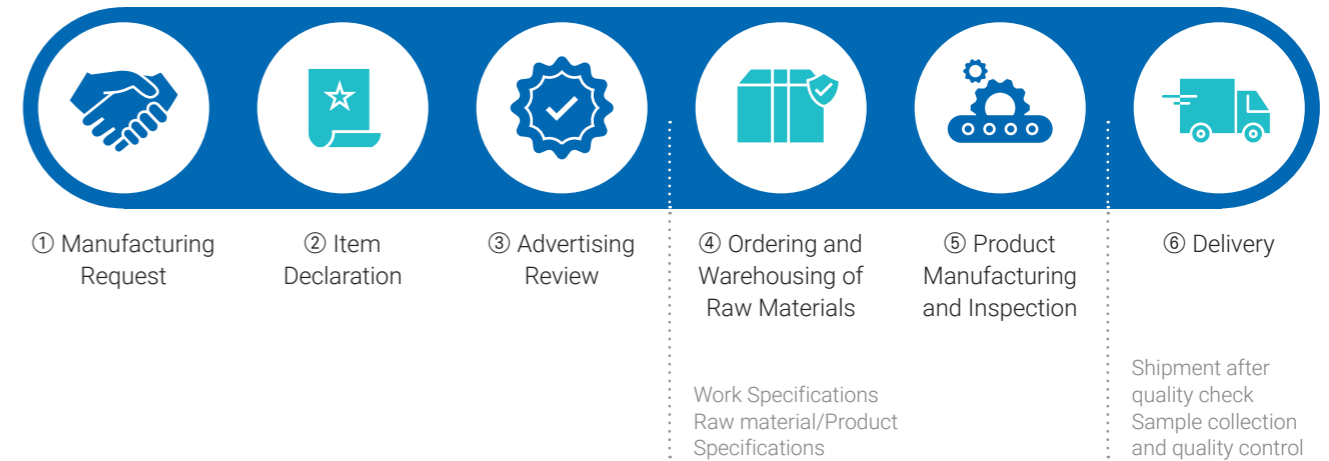




Based on our long experience, we promise to satisfy you with any needs, with either OEM production or even ODM production including development, design and marketing.

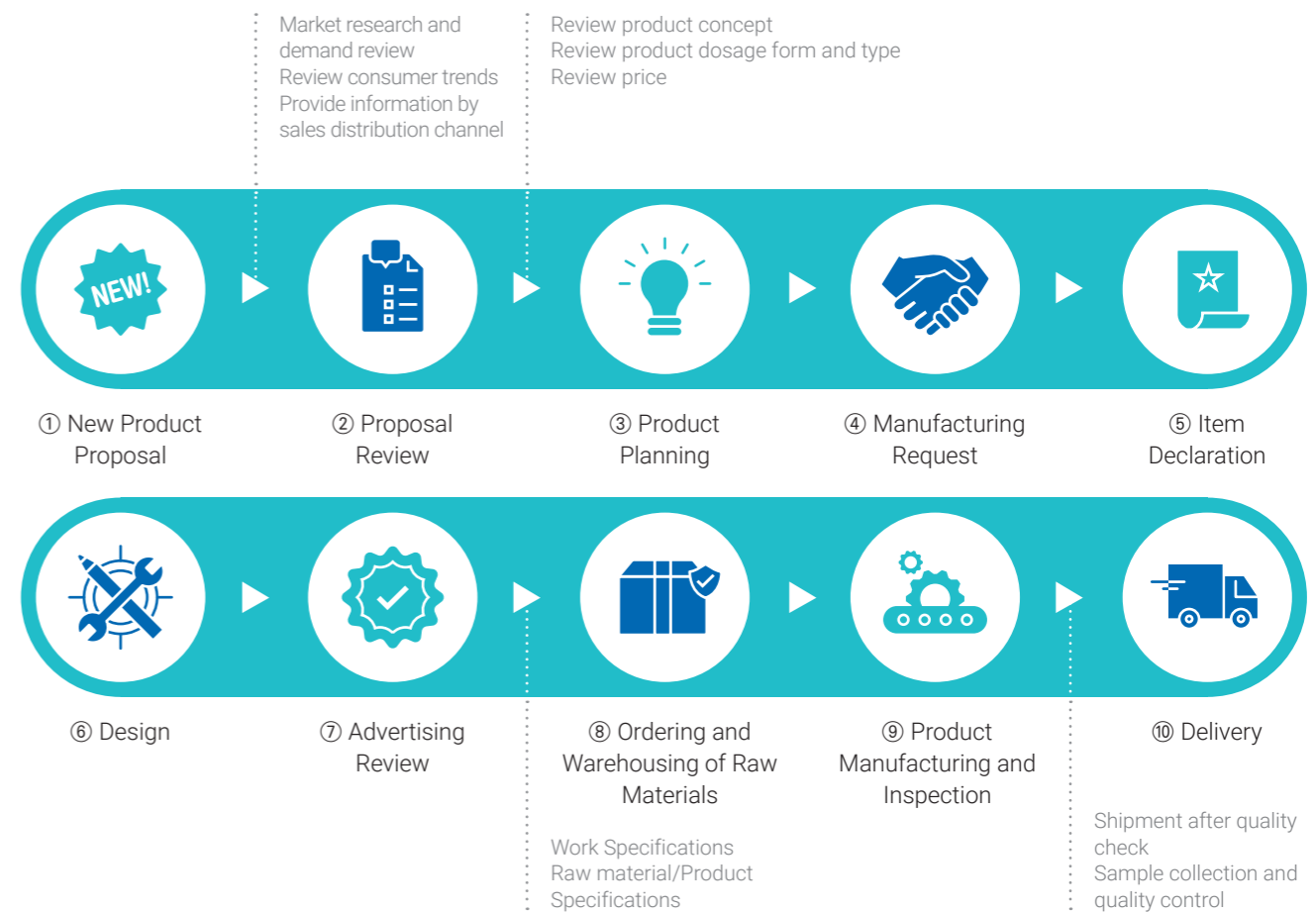
### OEM (Original Equipment Manufacturing)

It is a consignment production method that produces finished products according to customer needs, attaches the orderer's trademark, and delivers them.



### ODM (Original Development & Design Manufacturing)

It is a self-developed order production method that provides services for the entire process from product planning to development, production, quality control and shipment.



# Hanmi Natural Nutrition's Management Core Values for Customers

We will work with customers from the planning stage to commercialization and marketing.



## [OEM/ODM Consultation and Quotation Inquiry]



**Homepage**

[www.hanmi.co](http://www.hanmi.co)  
Quote inquiry board



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**QUOTE**

## Client

