



SEOUL PROPOLIS Co., Ltd



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Seoul Propolis Co., Ltd. is a research company and a partner of Korea Atomic Energy Research Institute in Daedeok Innopolis(Special Research and Development Complex in Daedeok).

Accompanied with cutting edge biotechnology of the Korea Atomic Energy Research Institute, non-alcohol and water-soluble propolis technology is further researched to apply physiological functions unique to propolis such as anti-bacteria, anti-aging, anti-virus, and protection against radiation, more effective for popular applications in medicinal products, functional foods, cosmetics, medicine for animals, and baby products.

Seoul Propolis specializes in propolis and pioneers in developing such technologies for a wider application.



## Research Company of Korea Atomic Energy Research Institute Seoul Propolis Co., Ltd compete with World No.1

What is the Research company?

Funded by intellectual property rights , 'Research Company' is a stock holding company established by a state research institute located in the Korean Daedeok Science Town. It is approved by the Minister of the Ministry of Knowledge Economy.

## Natural antibiotic Water-soluble Propolis(WEEP) make a LOHAS culture.

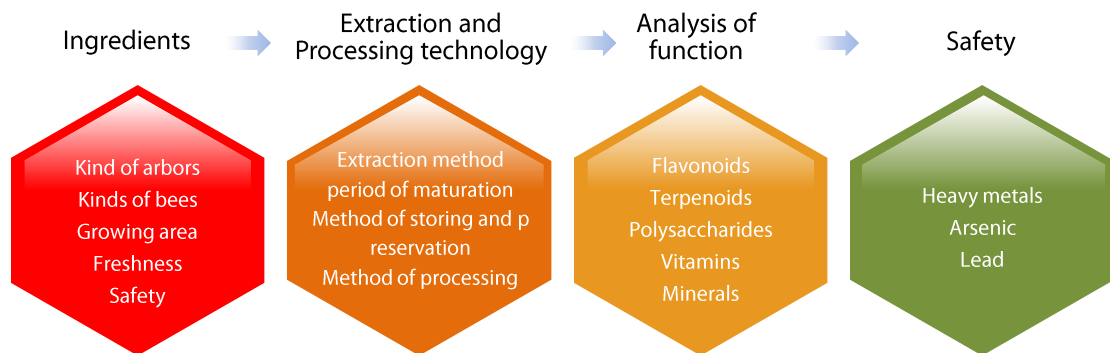
Propolis has long been used as a treatment. It is an antibiotic with the function of anti-virus, anti-bacteria, anti-oxidation, anticancer and It is widely used more and more.

Seoul Propolis continues to conduct research and development with KAERI(Korea Atomic Energy Research Institute) and compete with World No.1



## Introduction of Technology and Experiment Image

High technology is applied to the method of gathering, extraction, processing and examination of **functions and safety of propolis**, a next generation functional



**Propolis has different effective ingredients depending on the method of extraction.**

Propolis contains flavonoid which has a pharmacological action, vitamins, minerals and polysaccharides. Flavonoid is soluble in alcohol but not in water, while minerals and polysaccharides are soluble in water but not in alcohol. And some types of vitamins are soluble in water and others in alcohol. Because of this reason, effective ingredients can be well extracted by alcohol + water.

Method of extraction	Flavonoid	Terpenoid	Polysaccharides	Mineral
Alcohol+water (WEEP)	○	○	○	○
Alcohol	○	○	×	×
Water	△	×	○	○
Supercritical Fluid Extraction	△	○	×	△
Micellization	△	△	×	×

(○ : Big amount extraction, △ : Small amount extraction, × : Very small amount extraction)



Image of solving in water. As shown in the picture left, It is the propolis of our company produced non-alcohol, water-soluble WEEP method. It is totally soluble in water.

## HISTORY I

- Feb. 2003** Establishment of Seoul Propolis Co., Ltd.(At BI center of KAERI)
- Dec. 2003** Completion of development of water-soluble manufacturing method [WEEP Method] for the first time in Korea
- May. 2004** Selected as 'Parts and Material Specialized Company' by Ministry of Commerce, Industry and Energy.
- Aug. 2004** Pass the standard specification test of US FDA, and registration of the factory (No.10489566816)
- Aug. 2004** Gained approval as venture manufacturing business of health functional food (No. 3, Korea Food and Drug Administration, KFDA)
- Jan. 2005** Establishment of 「Propolis Research Laboratory」 (Korea Industrial Technology Association)
- Dec. 2005** K-mark Certification, KTL-CB-05044 (Korea Testing Laboratory, Ministry of Commerce, Industry and Energy)
- Jan. 2006** Open and Aboveboard Management Certification(Kibo Technology Fund)
- May. 2006** Selected as recommended brand product by "It's Daejeon" (Daejeon Metropolitan City)
- Dec. 2007** Certified as a technology innovative small and medium company "Inno-Biz"(SMBA)
- May. 2009** Became supporter's company of "Wing of Hope" for cancer treatment in low income countries (Korea Nuclear International Cooperation Foundation(KONICOF))
- Jul. 2009** Gained approval as a reserch company of Korea Atomic Energy Research Institute (Ministry of Knowledge Economy)



Make an agreement with Korea Atomic Energy Research Institute.



Attached laboratory of Seoul Propolis Co., Ltd

## HISTORY II

### Awards

- Nov. 2003** The President Award of the Small and Medium Business Administration of Korea Venture Start up festival (SMBA)
- Jun. 2005** Silver Prize of the First Daedeok Valley Hightech Start up Business competition (Daejeon Metropolitan City)
- Oct. 2005** Award of 'Korea Social Responsibility Management Grand Prize' New Technology Field (Newsis, Excellence Korea)
- Nov. 2007** Award the prize of Science and Technology Deputy Prime Minister in 'Korean New Venture Enterprise Event'.  
(The Ministry of science and Technology)
- Feb. 2008** The Ministry of Health and Welfare Award  
(The Ministry of Health and Welfare)
- May. 2009** The Third prize of the 'First Korean KOHAS award' in the field of Food (Korea LOHAS Association)

### Patents

- Sep. 2005** Complex composition containing Propolis reducing biological damage from free radicals and radiation, and enhancing immune system, and production method (NO. 0519720)
- Oct. 2005** Water-Soluble propolis production Method (NO. 0550165)
- Apr. 2008** Water-soluble propolis extraction and production Method and its production Method (Patent in Japan NO.4113520)
- Mar. 2009** titanium oxide nano particle manufacture and deodorant of manufactured ammonia (NO. 10-2008-0032796)





## The course of Natural medicine symposium

### **The 1th Korea.Japan Natural medicine symposium / Apr. 18. 1995**

Prevention and treatment about atopicallergy

### **The 2nd Korea.Japan Natural medicine symposium / Apr. 23. 1996**

Efficacy of natural antibiotic Propolis and Aloe

### **The 3rd Natural medicine symposium / May. 18. 2001**

Functional Food and Immunity

### **The 4th Natural medicine symposium / Apr. 25. 2002**

Medicine pharmacology close examination about Propolis

### **The 5th Natural medicine symposium / Nov. 4. 2003**

Oxygen free radical of Honey and Propolis

### **The 6th Natural medicine symposium / Oct. 27. 2006**

Review a Propolis and Honey

### **The 7th International Natural medicine symposium / Aug. 24~25. 2009**

Efficacy of Propolis-Medicinal pharmacology Aspect



## Research situation of governmental program

### **2001: (Small Business Administration Support)**

"Development of functional food with immunity promotion and antibacterial effects using natural propolis" (Joint performance of Seoul Propolis Co., Ltd and Kangwon National University)

### **2002: (Small Business Administration Support)**

"Development suppress oxidant damage functional Food using natural Propolis" (Joint performance of Seoul Propolis Co., Ltd and KAERI)

### **2003: (Small Business Administration Support)**

"Development new manufacture method anibiotic functional Food(Propolis)" (Joint performance of Seoul Propolis Co., Ltd, KAERI and Seoul Asan Hospital)

### **2004: (Small Business Administration Support)**

"Development of natural antibiotic for animal using propolis" (Joint performance of Seoul Functional Food and Kangwon National University)

### **2004: (Minisrty of Food, Agriculture, Forestry and Fisheries Support)**

"Development of nonalcoholic water-soluble functional food using propolis and examination of anti-oxidat ion and immunity reinforcement effect through clinical experiment" (Joint performance of Seoul Propolis Co., Ltd, KAERI, Seoul Asan Hospital and Korea Apicultural Cooperative Federation)

### **2005: (Small Business Administration Support)**

"Material stability and flavor improvement technique of nonalcoholic water-soluble propolis" (Joint perfor mance of Seoul Propolis Co., Ltd and Department of Food and Nutrition)

### **2006: (Small Business Administration Support)**

"Development of production device for water-soluble propolis"

### **2007: (Small Business Administration Support)**

"Development of forage added antibacterial for fish farm using natural propolis" (Joint performance of Seoul Propolis Co., Ltd and Pukyong Univ.)

### **2008: (Medical college, Dan-kook Univ. Support)**

"Development of treatment Cream for laser and oral cavity study using Propolis" (Joint performance of Seoul Propolis Co., Ltd and Medicine laser center Dan-kook Univ.)

### **2008: (Chungnam Techno park Support)**

"Development of Feed Additives as an Alternative to antibiotics for chicken farm using natural propolis" (Joi nt performance of Seoul Propolis Co., Ltd and Chungnam Animal Science Center)

### **2009: (Daedeok Techno park Support)**

"Development of revival Cream of Skin using Propolis" (Joint performance of Seoul Propolis Co., Ltd and Hanbat Univ.)

### **2009: (Daedeok Sci ence Town Support), INNO design**

Total Design

### **2009: (Medical college, Dan-kook Univ. Support)**

"Positive effect of Propolis about pain and injury healing and bleeding after tonsils excisions" (Joint perform ance of Seoul Propolis Co., Ltd and Otorhinolaryngology medical college Dan-kook Univ.)



## PRODUCT INTRODUCTION

- PROBEE Water-soluble Propolis 30ml
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- ROBONGBANG Water-soluble Propolis 100ml
- ROBONGBANG Propolis capsule
- ROBONGBANG Propolis Throat Candy
- PROBEE Cosmetic Set with 3 Articles
- Water-soluble Propolis PROBEE Toothpaste
- Propolis Well-being Soap
- Raw Material, Water-soluble Ethanol Propolis
- Propolis Aqua



## PRODUCT I

PRODUCT	SPECIFIC
<p><b>PROBEE</b> Water-soluble Propolis 30ml</p>	<p>As non-alcohol, water-soluble propolis, it is a functional food with anti-virus, anti-bacteria, anti-infection, anti-oxidation effects. When it is diluted with mineral water, no milky water phenomenon occurs with floating wax. As a water-soluble product, it is easily absorbed and its taste is milder than that of the previous product</p> <p style="text-align: right;">30ml tink</p>



PRODUCT	SPECIFIC
<p><b>PROBEE</b> Water-soluble Propolis 25ml</p>	<p>Low-alcohol, water-soluble food with more than 1% flavonoid and easy to carry.</p> <p style="text-align: right;">5ml X 5, portable</p>



PRODUCT	SPECIFIC
<p><b>ROBONGBANG</b> Water-soluble Propolis 100ml</p>	<p>It is non-alcohol, water-soluble propolis and in order to enhance anti-virus, anti-bacteria, anti-inflammatory, anti-oxidative properties we add oliver leaf extract (anti-oxidative material (Oleup ein)) to it. When we dilute in the mineral water and intake, it has the features that the wax doesn't float frosty and there is no the white residue, and it is the soluble product and it has softer tastes and better functionality rather than the existing products. We can expect fast effect and improvement of immunity.</p> <p style="text-align: right;">100ml (50ml * 2 bottles)</p>



PRODUCT	SPECIFIC
<p><b>ROBONGBANG</b> Propolis Capsule</p>	<p>As a functional food in capsules with anti-bacteria and anti-oxidation effects, it contains propolis as a main ingredient and also contains grape seeds oil, red ginseng extract powder, vitamin C and E, taurine and maca extract.</p> <p><b>It has the following effects;</b> immune system enhance(stamina increases), anti-cancel effect, cholesterol index control, Stomach lining protection, helicobacter pylori constraining.</p> <p style="text-align: right;">500mg X 120 capsules X 3 bottles</p>





## PRODUCT II

PRODUCT	SPECIFIC
<b>ROBONGBANG</b> Propolis Throat Candy	It is made of mabit- hydrogenated maltose starch syrup- which is made of potato starch without starch syrup. Thus it is low sugar and does not damage teeth. It also contains high concentrated water-soluble propolis and prevents children's cold in throat and adults' mouth disease.

4g X 20 pieces



PRODUCT	SPECIFIC
<b>PROBEE</b> Cosmetic Set with 3 Articles	As a functional cosmetics item, it contains organic matters and minerals for skin whitening and anti-aging effects against the stressed skin from diverse harmful substances. It contains no alcohol, artificial colors, and mineral remnants, instead it has camellia seeds oil and pomegranate extracts.

Essence Skin 120ml, Emulsion 120ml, Creme 50g



PRODUCT	SPECIFIC
Water-soluble Propolis <b>PROBEE</b> Toothpaste	The contained water-soluble propolis prevents oral bacteria and periodontal germs so that it prevents bad breath, caries, and dental plaque. Moreover It does not alter color of toothbrush hairs.

50g X 5 pieces



PRODUCT	SPECIFIC
<b>Propolis</b> Well-being Soap	Anti-bacterial effects of the soap prevent germ infection, skin infection, pimples, and skin trouble. It is a pure natural soap with no synthetic artificial colors and designed for sensitive and fragile skin.

100g X 3 pieces



## PRODUCT III

PRODUCT	SPECIFIC
Raw Material, Water-Soluble Ethanol Propolis	<p><b>1. Water-soluble propolis extract(liquid) / WEEP-C100F</b> More than 1.0% flavonoid contained / non-alcohol water-soluble raw material for high concentrated food and medicinal products/ 1L, 20L</p>
	<p><b>2. Water-soluble propolis extract(liquid) / WEEP-C100M</b> More than 2.0% flavonoid contained / non-alcohol water-soluble raw material for everyday articles, live stocks(hatchery fish, hens, pigs, cows), and cosmetics/ 1L, 20L</p>
	<p><b>3. Propolis ethanol extract(liquid) / EEP-C200</b> More than 2.0% flavonoid contained / high concentrated ethanol raw material for foods, medicinal products, cosmetics, and everyday articles / 1L, 20L</p>
	<p><b>4. Propolis ethanol extract(liquid) raw material /EEP-C100</b> More than 1.0% flavonoid contained / high concentrated ethanol raw material for foods, medicinal products, cosmetics, and everyday articles / 1L, 20L</p>
	<p><b>5. Propolis ethanol extract(liquid) raw material /EEP-C50</b> More than 0.5% flavonoid contained / non-alcohol water-soluble raw material for everyday articles, live stocks, cosmetics / 1L, 20L</p>
	<p><b>6. Propolis extract powder 70%, 60%</b> More than 7%, 6% flavonoid contained / raw material for a high purity powder form / 1kg, 20kg</p>



PRODUCT	SPECIFIC
Propolis Aqua	<p><b>Natural Antibiotics Fish Feed</b></p> <p>It is Natural Anti-biotics without tolerance 'Fish Feed Additive'.It prevention of fish disease and treatment through Antibacterial and Anti-virus effects. No reinfection and water pollution, because it is a water-soluble type. It has high potency, immunostimulating and growth promoting effect. Eel, Shrimp, Flatfish, jacopeer/ rockfish and others 1kg</p>





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