







# Your Best Business Partner **BEDEL Korrea**



"The benefit of the forest in people's daily lives"

**BEDELKOREA** is a company engaged in research and development of a functional food whose principal ingredient is oil (phytoncide), extracted from the native Red pine tree of Korea.





#### BBEDELKOREA Co., Ltd

BEDELKOREA is a company engaged in research and development of a functional food whose principal ingredient is phytoncide, extracted from the native pine tree of Korea: "RED PINE".

The slogan of BEDELKOREA Co., Ltd is

"The benefit of the forest in people's daily lives".

Products developed by BEDELKOREA include products for oral intake, for application to the skin, and for aromatherapy. The red pine needle contains over 5,000 natural volatile organic complexes (bioactive substances).

We supply 100% natural products to satisfy our customers' expectations.

BEDELKOREA was established in 2008 with the spirit of the Lord's eternal love and devotion for the whole of mankind. We donate a part of our profits for mission in underdeveloped countries.

We acknowledge our social responsibility as a leading company in our field.

Thank you.

CEO Hyang-Jin Yun



#### **Certification of** 특히증 PB AN ADDRESS (u) 2+7+ 2/2 Height the Company KCPBA Res 200 18402 **KCPBA** 2014 한국소비자선호도1위브램 하긓소비자선호도1위브랜드대상 2012 Korea 2014 Korea ISO 9001 Development, ISO 14001 Development, Pine Needle Oil Consumer preference Consumer Preference Manufacture, Sales and Services of Cosmetics, Manufacture, Sales and Services of Cosmetics, Powder manufacturing 1st Brand Award 1st Brand Award and salts Quasi-drugs Quasi-drugs 출연사실 특정명 GRITIFISTE OF APPLICATION 100 m 200 m 201 000 1 <u>31545</u> Autor of AUT Autor of AUT Autor of AUT 2 Certificate of Merit enter al construction de la construcción de la cons 경기도 유망중소기업 인증서 (中)時至112(0) 11日71日: 2015, 30, 4 - 2021, 30, 3 NAME AND ADDRESS OF TAXABLE PARTY. 위 영제는 중소가입수물지원센터의 설비 및 중영에 슈타 관련에 해내 2022년도 수중유입중소가영소로 10.81 귀 업체를 2016년도 경기도 유당중소기업으로 선정하였기며 인증사를 고부한니다 A J.A.J. Sciences And Controls Diwiod of Validity : May 1<sup>th</sup> 2015 ~ Apr 30<sup>th</sup> 2011 R4 표명은 '주프님', 4 개위에 구도한적성수 지원수는 문양된 10. (4114, 4019) 14 14 Governor of Gyeonggi Provide オフェス 👯 G 1 9 7 3 경기지방중소기업왕<mark>장</mark> The Best Value Promising export small and Medium Patent of Patent of E-Trade Frontier JeonSongWon Certified by 'Compound P' 'Compound KW' Company Certificate Registred in Korea Gyeonggi Province enterprise 상표등록중 참솔 방송 11111 11111 11111 11111 11111 11111 11111 11111 11111 111 솔잎사령 121 112 11 1 - 1 1 - 1 84 296 '928, 4 69 92 94805. · 注法法表 x=xx **\*** \*\*\*\* 李建昌 \* A .... (\*) \* = 注;偽春 x=#.x 🔸 APERAT . 李建昌 李建昌 "PHYTOPINE" 'CHAMSOL'(3) Cham Sol(30) ''松叶至愛 韩品百代赤松元 Pine Needle CHAMSOL'(3) registered in China registered in KOREA registered in China registered in China registered in China registered in China **Certification of** Solomental Venanting + 100 2 Consentitie Consenting + FOOD SPECIALISTS Seleconstilled Konardiky - P Solona Seleccentified Versionling + FOCD SPE Laboratory Monthlandina Nanatara (1960) metering Operational Traggioration Datas 100 meteri Laboratory III Stat. 1000 Million Datas Tatas Laboratory Matelliantics Number 240040708 Generation Exploration Date 182088 Laborators 1920s 082131827 Page-Date of State Laborato Electronica Nazilia Similari Generale Registrative del 198 Laborato El Su MERINER Letremes Limit Control Control on Bancon Constant Regiments June 10(10) Letremes II-50: 17/2/2018 Liberatory Untilliation Number: No Oceanization Registeration Net: 491-49 Laboratory Birlin: 85(5)(1911) **Raw Material** MARY In 2011, DOILS AND AND THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PA MEDER KOMPARTIN, LAR. MCCARD Tople, Interpreter of MUMIL MUMILS Co., Ind. 24, Ord 7 gdl, Imagenet rep Discoveraged, and Products concerning and a second nis Automated National andress Hang exterior and part of a polytometry Despective and part of polytometry "N.C. rations. hein Raysonal Mathimed and pho-Interp mote and pao The posterio analyse 978,17 eadbodt TAN FDA test pass PhytoPine Red Pine Needle Oil Premium Vita Gold Red Pine Top Power (Diluted Solution) PhytoPine Soap Submanish Venantity + 1000 SPECAUSTS • 1 1 1 Laborard, Macadanian, Namber, 140, 804 Concession, Raylandina (San, 160, 801 Colorange, Sartina, 162, 1623) Page State of Sanary INCOME.IN. - Happele II - 10 6 0 8 - 10 10 100 - 10 10 100 - 10 - 100 - 10 - 100 taught and in the last 1000 Automated Restricted and the New possible and the Physical and the Physica 14884897**8**9 ..... KTR KTR Wash KTR Antibacterial Test FDA Manufacturing Antibacterial Test Deodorization Acute Oral Toxicity Skin Stimulation Red Pine Oil (Diluted Test Red Pine Oil FCE no.25603 Red Pine Oil Test Red Pine Oil Test Red Pine Oil Solution) (Diluted Solution) (Diluted Solution) (Diluted Solution)

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Red Pine Oil

in-vtro Antioxidant

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Red Pine Oil Powder

in-vtro Whitening

effectiveness

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Antibacterial Test

PhytoPine Soap

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Antibacterial Test

Red Pine Soap



Experiment Report

Red Pine Oil Powder

in-vtro wrinkle

Premium Vita Gold Halal Certification improvement effectiveness

05

## **BEDEL KOREA IN THE PRESS**

The efficacy of BEDEL KOREA's RED PINE has been demonstrated in numorous







Newspaper articles and television programs. The Daily Sports(2012,2014 Korea Consumer Preference 1st Brand award)



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Seoul Economic Network TV 2013.6.11 (TODAY)



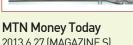
머니투데이

Global Inspiration 세계속의 경기도



Arirang TV 2013.5.21 (KOREA TODAY)









Digital Chosun Daily News 2012.3.9 (GOOD EXAMPLE OF COMPANY SUPPORT)



Kyunghyang Daily News 2011.10.27 (CULTURE & HEALTH)



Medical News 2010.5.6 (SPONSOR OF MEDICAL CONFERENCE)

## **BEDELKOREA INTO THE WORLD**

The cultivation of the markets in the world



[2010] Shanghai World Expo
[2010] Cultural Exchange Event in China (making Kimchi)
[2010] Promotion in Shanghai
[2010] Promotion in Chengdu, China
[2010] Promotion in Dongguan, China
[2010] promotion in Kunming, China
[2010] Ist Medical Conference of Korean and Chinese Doctors
[2011] Promotion in Quizon City, Philippines
[2011] G-fair
[2012] COEX Hangawi Gift Expo
[2013] KINTEX K-Beauty Expo
[2013] China Brand Products Import Expo, Kunshan
[2013] Cheonnan International Well-Being Food Expo
[2013] China Brand Products Import Expo, Kunshan
[2013] Cheonnan International Well-Being Food Expo
[2013] China Chengdu National Expo
[2014] The Best Chinese New Year Shopping Fair in Sichuan
2014 15th China Beijing International Nutrition and Health Industry Expo
2014 East China Fair
CHINA IMPORT & EXPORT FAIR, KUNMING
Health & Beauty Week 2015
BIO KOREA 2015 International Convention
Canton Beauty Expo

It is an overall designation of self-protective complexes that plants produce against diseases and harmful insects or germs.

## RED PINE PHYTONCIDE

### What is Red Pine Oil (Red Pine Phytoncide)?

#### Plant PHYTON + Bactericidal CIDE

More than 5000 kinds of natural volatile organic compounds are contained in the Red Pine Oil (Red Pine Phytoncide).

The pine needle oil contains diverse active ingredients which have strong pharmacological actions, such as terpenes, vitamins, essential amino acids, non-essential amino acids, flavonoids, and polyphenols. When pine ingredients were extracted in Korea, China, Japan, and other Southeast Asian countries, it was determined that the Red Pine has the best pharmacological action of polyphenol and terpene oils, which are the main indices.

It is being recognized by the academic world that the four seasons, and pedological and climatic characteristics of Korea determine the active ingredients that enable pharmacological actions of terpenes, polyphenol, etc. It would appear that the difference between Red Pines and other pines is dependent on their regions of distribution rather than their species. Red Pine needle oil figures in medical literature in China and Korea, going back thousands of years. Ancient texts such as Lee Sijin's 'Bonchogangmok', and Heo Jun's 'Donguibogam', teach that pine needles are very effective for curing diseases. Thus they were used as medicinal plants for antibiotic, anti-inflammatory, and antiphlogistic effects.

Cited from a report of Dr. Kim Kwanho, Dong In Dang Oriental Medicine Hospital

Red Pine Oil passed the FDA foods safety test, proving its safety, and is used as an ingredient of health functional foods. (KFDA Korea Food Standards Codex registered) (Certified of ingredient safety by U.S FDA]

\* Extracted Phytoncide oil from hinoki cypress, thuja orientalis and needle fir do not have enough safety in Oral toxicity.

#### Detoxification/Toxin elimination functions of Red Pine Oil

#### The cause of many of these diseases is environmental toxins.

As industrialization progressed, environments such as air, water, and soil started to become polluted, and now people are being threatened by those pollutants as they have come to be accumulated in the bodies of humans, that are at the top of the food chain.

In addition, heavy metals contained in children's toys, various instant foods, additives contained in flavor enhancers, environmental hormones coming out of plastic vessels, chemicals like invigorating drinks, and yellow dust, are all toxins that threaten our bodies.

The words that we most readily associate with modern diseases are 'chronic', 'ill-defined', 'stress', or 'neurological.' The cause of these diseases that even modern medicine is unable to cure can be found in toxins.

#### [Toxins are the biggest cause of chronic diseases]

- angina, cardiac infarction, chronic fatigue, etc.
- psoriasis, eczema, dermatitis, etc.
- Asthma, rhinitis, sinus infection, etc.
- Sterility, vaginitis, uterine myoma, cystic ovary decreasing generative functions
- Insomnia, uneasiness, ADHD, etc.

TIP

- Frozen shoulder, internal derangement of the knee joint, backache, ankylosing spondylitis, etc.
- Promote aging (various polypus and malignant tumors).

## Antioxidant substances contained in Red Pine Oil have detoxifying functions. That is, they decompound toxins within the body and excrete the wastes out of the body.

Typical ingredients include terpene, flavonoids, oxypalthymine acid, pycnogenol, pinitol, glycogen, etc., and they have outstanding abilities to remove, among metabolic products, especially active oxygen that is known to cause cancer, engage in glycometabolism or primary immunity on colon mucosa, suppress growth of harmful microorganisms, and raise activation of useful microorganisms in intestines, contributing to various physiological functions related to antioxidant effects.

#### Introducing toxin excretion therapy of Dr. Kim Kwanho using Red Pine Oil

JEOK SONG WON (RED PINE INSTITUTE) fasting treatment

Large intestine detox and antioxidant therapy through JEOK SONG WON fermented products (pine needle fermented lactic acid bacteria pill, pine needle fermented enzyme pill, pine needle fermented lactic acid bacteria powder, pine needle fermented enzyme powder, red pine Palbowon)

3 Antioxidant therapy through JEOK SONG WON products containing Compound P

#### The Active Ingredients of Red Pine Oil

#### Red Pine Needle Oil

Specific gravity | D20 0.8650 ~ 0.8740 Refractive index | n 1.4745 ~ 1.4780 Optical rotation |  $\alpha$  D -23.47° ~ -24.22° Acid value | 0.5  $\leq$ Ingredient

Compounds	Composition (%)
α-Pinene	20.58
β-Pinene	6.73
β-Myrcene	1.09
δ-3-Carene	4.36
Borneol	0.64
4-Terpineol	0.33
Cryptone	0.20
β-Fenchyl acetate	1.36
Terpinolene	22.98
α-Limonene	20.16
α-Terpinene	0.90
β-Linalool	0.26
β-Thujone	0.16
Bornyl acetate	6.39
Comphene	10.37
β-Phellandrene	4.66
Sabinene	1.19

Red Pine Oil contains more than 5,000 types of natural volatile organic compounds (bio-active substances). Red Pine Oil contains various active ingredients that have strong pharmacological action such as unsaturated fatty acids, terpenes, vitamins, essential/non-essential amino acids, flavonoids, minerals, and polyphenol. According to results of experimental research on pine needle oil, effects include improving hyperlipidemia and liver function, and anticancer, antibiotic, and antioxidant effects, and its active ingredients include oil components such as  $\alpha$ -pinene,  $\beta$ -pinene, camphene, etc., and flavonoids such as quercetin, kaempferol, etc.

The Korea Testing & Research Institute (KTRI) proved that it is a natural antibiotic ingredient that has effects on colon

bacillus, salmonella, staphylococcus, and even on the super-bacteria called MRSA.

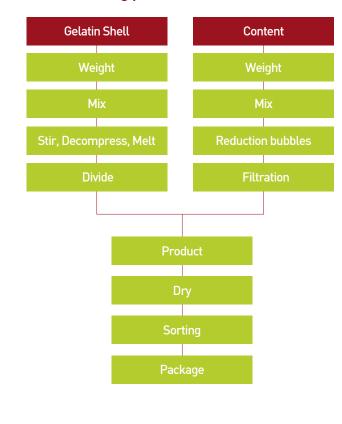
Red Pine Oil passed the FDA foods safety test, proving its safety, and is used as an ingredient of health functional foods.

#### The procedure of the Red Pine Oil distillation method and manufacturing process

#### The procedure of the Red Pine Oil distillation method

- 1 A stage of collecting and selecting pine needles
- A stage of washing and drying pine needles
- **3** A stage of slicing and grinding the dried pine needles
- A stage of mixing the grinded pine needles with a proper ratio of water and concentrating them. High technologies and knowhows are needed to calculate the mixing ratio of water, and distillate and concentrate them.
- **5** A process of removing essential oil and unnecessary materials after the concentration process
- A process of adjusting the concentration to the most appropriate level for bodies to absorb
- A process of ripening the results in a special environment
- **3** A quality standard test process for the final product that satisfies company's internal regulations
- If a quality certification process for the product that passed the overall test

#### Manufacturing process



#### Equipments I





Raw Material Weight







Milling

Vibrator sieve





Deaeration

Gelatine Melting Tank





Coloring

Encapsulation



Blister



Product Name I JeokSongWon (赤松元) Primium Vita Gold Type of Product I Health Functional Food Effectiveness I Anti-oxidation Product Size I 54g (450mg x 120 capsules) Ingredient & Content I Distilled pine needle concentrate 99%, VitaminE 1% Administration Method I 1 capsule, twice a day.

#### Red Pine Oil (Phytoncide)

KFDA Korea Food Standards Codex registered Cdrtified of ingredient safety by US FDA

#### Phytoncide, healing breath from the forest **BEDEL KOREA**

#### **Health Food**



Type of Product I Health Food

- 100%

Product Name **JeokSongWon** 



Product Name Borage Gamma Gold

Type of Product | Health Function Food Effectiveness | Improves blood circulation and cholesterol

Product Size 132g(500mg \* 240 capsules) Ingredient & Content I Distilled pine needle concentrate – 40%, Borage Gamma Oil – 60% Administration Method 1 2 capsules, twice a day.



Product Name YuhanM **Multi-Vitamin** 

Type of Product I Health Function Food Effectiveness I Energy metabolism, Folic acid metabolism Product Size 1 500mg soft capsule

Ingredient & Content 1 7 types of VitaminB, VitaminC Administration Method | 1 capsule, once a day.



Product Name YuhanM Sawpalmetto

Type of Product I Health Function Food Effectiveness | Prostate health, Cell protection, Immune function

Product Size | 27g(450mg ×60capsule) Ingredient & Content | Distilled Pine Needle Concentrate

Administration Method 1 1 capsule, once a day

Product Size I 500mg soft capsule Ingredient & Content | Lauric acid, VitaminE, VitaminC 7inc

Administration Method | 2 capsules, once a day.



Product Name Yuhan M Gamma Diet Plus

Type of Product I Health Function Food Effectiveness | Improves blood circulation, Reduces body fat, Reduces dangers of osteoporosis Product Size | 800mg soft capsule Ingredient & Content | Gamma Linolenic acid, Vitamin D HCA

Administration Method | 2 capsules, once a day.

**Health Food For Export** 



Type of Product I Health Function Food Effectiveness | Oxidation, Improves cholesterol Product Size | 550mg x 60 capsules Ingredient & Content | Distilled pine needle concentrate 495mg, D-a-tocopherol 16.5mg, Grape seed oil 38.5mg

Administration Method 1 1 capsule, twice a day.

늘잎사랑

Product Name Pine Needle Love

Type of Product | Health Food Effectiveness | Improves blood circulation and cholesterol

Product Size 1 450mg x 60 capsules

Ingredient & Content | distilled pine needle concentrate 100%

Administration Method | 1 capsules, twice a day Distilled pine needle concentrate | 100%



Product Name **Red Pine** 

Type of Product I Health Food Effectiveness | Improves blood circulation and cholesterol

Product Size | 450mg x 60 capsules

Ingredient & Content | Distilled pine needle concentrate 85%, Vitamin E 15% Administration Method 1 1 capsule, twice a day.



Type of Product I Health Food Effectiveness | Improves blood circulation and cholesterol Product Size | 450mg x 180 capsules Ingredient & Content | Distilled pine needle concentrate 100%

Administration Method 1 1 capsule, twice a day.

#### **Product descriptions**

**Pine Needle Concentrate EM** Health Foods



**Pine Needle** Fermentation Lactobacillus Pill

Product Name

Type of Product | Processed product (pill) Major Functions | Normalization of intestinal bacteria, Recovery of immune bacilli, Detoxification Product Size | 180a



Type of Product | Processed product (powder) Major Functions | Normalization of intestinal bacteria, Recovery of immune bacilli, Detoxification Product Size | 100a



Ingredients | Vegetable surface active agent, Tocopherol, Bamboo pyroligneous liquor, etc. Usage I Type 1 kitchen detergent (washes vegetables, fruits and dishes) Size | 2500ml



Product Name All-purpose Deodorizer, **Air Freshner** (Phytoncide)

Ingredients | Vegetable fatty acids, Remover of bacteria, Herb fragrance, etc.

Usage | all-purpose deodorizing (sink, shoe closet, bathroom, etc) Size 1 2500ml



Injection Quantity 1 for 650ml – 1 month (8 hours a day) Men set at low, 15 days (8 hours a day) when set at high Major Functions I Antibacterial functions through all-natural phytoncide / Removal of environmental substances that can cause sick house syndrome / Relives stress and strengths concentration / Air purification and odor removal / Helps strengthen body's immune system



#### Product Name

Pine Needle Fermentation Lactobacillus Enzyme Pill

Type of Product | Processed product (pill) Major Functions | Normalization of intestinal bacteria, Recovery of immune bacilli, Detoxification Product Size 1 180g



#### Product Name Pine Needle Fermentation Lactobacillus Enzyme Powder

Type of Product | Processed product (powder) Major Functions | Normalization of intestinal bacteria, Recovery of immune bacilli, Detoxification Product Size | 100g



Ingredients | Vegetable fatty acids, remover of bacteria, herb fragrance, etc.

Usage | Deodorizes fabrics and clothes Size | 2500ml



Ingredients | Vegetable surface active agent, Liner alkyl benzene sulfonate types, High quality alcohol types, Herb scent, etc. Usage | Liquid detergent for drum and regular washing machines Size | 2500ml



redients & Contents | All-natural phytoncide (refined oil from pine tree), purified water Manufacturer | Bedel Korea Expiration Date | 36 months Consumption Standards for Refill Liquid |

High(forest mode): 8 hours a day, 1 month will consume 2 bottles of 650ml Low(sleep mode: 8 hours a day, 1 month will consume 1 bottle of 650ml Size + 650ml



Product Name Pine needles concentrate

Type of Product | Processed product (pill) Major Functions | Normalization of intestinal bacteria, Recovery of immune balance, Supplies essential nutrients Product Size | 30ml

#### Personal Care



Product Name Bathroom Cleaner (Rosemary)

Ingredients | Vegetable surface active agent, Hypochlorite sodium, Emulsifying agent, etc. Usage I Greasy surfaces, set stains, removal of bad odor Size | 2500ml



## Phytoncide, healing breath from the forest BEDEL KOREA

#### **Beauty & Cosmetic**



Product Name Phyto-Pine Soap (oily skin, acne-prone skin)

Ingredients I All-natural pine needle oil, Propolis, tocopherol, Olive coconut oil, Vitamin E

Effectiveness I Removes sebum, Dead skin cells and blackheads 99.9% sterilization of E. Coli and S.aureus in 1 minute, Antibacterial effects against Propionibacterium acnes and Pityrosporum ovale(Results of Korea Testing & Research Institute) Size I & 50ml



Product Name Phyto-Pine Soap (normal skin, oily skin)

Ingredients I All-natural pine needle oil, tocopherol, olive oil, coconut oil, Vitamin E, etc.

Use | Antibiotic, Clensing Effectiveness | Clensing, removes sebum, dead skin

cells and blackheads shfink pores, removes demodex folliculoru



Product Name Phyto-Pine Soap (sensitive skin, dry skin)

Ingredients I All-natural pine needle oil, tocopherol, olive oil, coconut oil, Vitamin E, etc. Use I Moisturising Effectiveness I Moisturizing effect, baby bath

Ingredients | Red pine oil TM, Borage oil, Ylang-

Usage I Nourishes the skin and adds shine to the skin



Ingredients I All-natural red pine oil, Aminocapronic acid, Allantoin hydroxy aluminum chloride, Sorbitol, Licorice extract, Menthol, etc.

Effectiveness | Prevents gum diseases, periodontitis and cavities, removes bad breath and anti-plaque, etc Size | 150g



Product Name Pine Needle Aroma

Ingredients | Pine needle concentrate phytoncide, grain, limonene 1), Main ingredient 100% all-natural ingredients

Effectiveness 1 Wood bathing effects / Increases level of concentration and relieves stress / Removes bad odor / Anti-bacterial and sterilization effects / Prevents mold and bacteria Size 1 40ml



ylang oil, etc.

Size 10ml

Product Name Phyto-Pine Facial Oil



Ingredients 1 Red pine oil TM, Borage oil, Lavender oil, Sweet orange oil, etc. Usage 1 For trouble skin

Product Name

Ato Oil

**Phyto-Pine** 

Size 10ml



Product Name Phyto-Pine Red Pine Oil

Product Name

**Phyto-Pine** 

Ingredients 1 Red Pine oil TM Usage 1 Antibacterial effects, infection removal, aromatherapy Size 1 10ml





Ingredients I Red pine oil TM Usage I Improves health condition Size I 10ml



Ingredients I Distilled pine needle concentrate, Menthol, Camphor, Crinum extract, Relax complex Effectiveness I Shoulder discomfort, Muscle pains, Joint pains, Menstrual pain Size I 100ml Ingredients I Distilled pine needle concentrate, Menthol, Camphor, Crinum extract, Relax complex Effectiveness I Good for sports activities before and after exercise / Golf, swimming, cycling, hiking, etc.

Size | 60ml

<u>15</u>

## Phytoncide, healing breath from the forest



BEDELKOREA. CO.,LTD Red Pine oil(Phytoncide) R&D

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