

Only WASABIA is a
natural antibacterial product made
from natural wasabi.

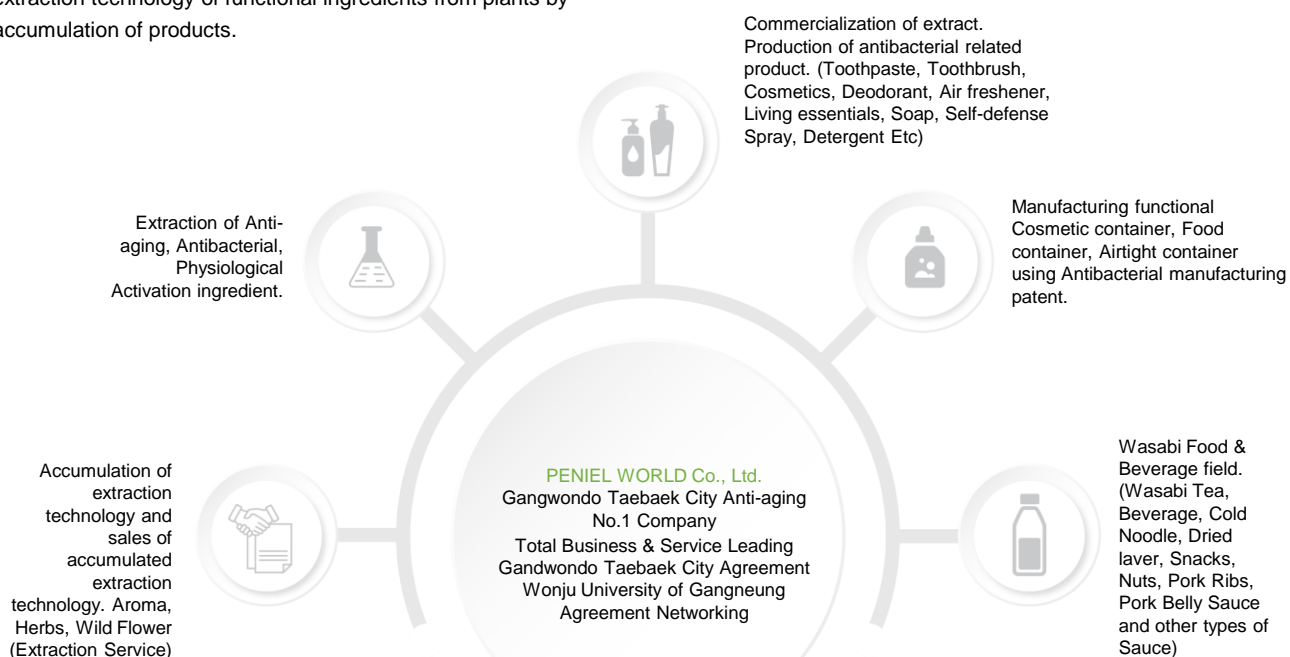


Company Introduction

Company Name	Peniel World Co., Ltd.
Establishment	August 17, 2002
Tax Registration Number	226-81-29312 (Corporation Registration Number : 141111-0020897)
C.E.O.	Bae Geum Sooch
Main Business	Antimicrobial pharmaceutical / Natural food preservative / Wasabi Spray(Self-Defence) / Antibacterial natural sprayer / Antibacterial Natural Air-freshener / Natural Vegetable Air-freshener / Portable Antibacterial Spray / Antibacterial Wasabia Gel / Antibacterial Vehicle Spray / Antibacterial Handwash Gel / Antibacterial Natural deodorant / Wasabia Allyl Beauty Soap/ Natural Functional Body Lotion/ Natural Functional Bodywash / Natural Oriental Shampoo / Natural Oriental Treatment / Antibacterial natural kitchen deodorant / Antibacterial Functional Desiccant / Antibacterial Natural table deodorant / Wasabia Eco-friendly kitchen detergent/ Antibacterial Wasabi(Wasabia) Tea / Wasabi (Wasabia)Ribs / Wasabi(Wasabia)Pork belly
Head Office	99, Yongjeong-gil, Taebaek-si, Gangwon-do, 26028, Republic of Korea
Factory	6, Gyesan 11-gil, Taebaek-si, Gangwon-do, 26050, Republic of Korea
Patent / Certification	<p>Management Innovative SME(MAIN-BIZ) No. 130601-00191 ISO 9001:2008, ISO 14001:2004, ISO22000:2005 US FDA Approved(Food Specialists)</p> <p>Patent registered (Allyl isothianate Synthesis Method) Patent registered (Pork seasoned sauce containing wasabi and its Manufacturing method) Patent Application(Manufacturing Method for Antibacterial Toothbrush and Wasabi Filamint raw material balancing.) Patent registered(Manufacturing Method for Wasabi antibacterial container.) / PCT Application Patent registered(Beverage containing wasabi and the manufacturing method)</p> <p>R & D department- No.2014150083 Technical cooperation agreement(Wonju University of Gangneung) Venture company – No. 2014101400 Shamar Trademark registration certificate – No. 40 – 1034741 Wasami Trademark registration certificate – No. 40 – 1034742 Wasabia/Antibacterial fragrant Desiccant etc - No. 40-1136131 / 40-1220550 Wasabia/Substitute Antibacterial teas, Almond Paste Etc Patent- No. 40 -1136132/40-1224176 Wasabia /Antibacterial Cafeteria, Chain store Service table registration - No.41-0337288/41-0382052 Shamar/Antibacterial fragrant Design Certificate – No.30-0794346 / 30-0896431/ 30-0896432 Japan Design Application - JP2015-014846-GD150001JP</p>

Business

Extraction of Anti-aging, Antioxidant activity, Antibacterial Ingredient. Sales and producing cosmetics, Container etc by the extraction technology of functional ingredients from plants by accumulation of products.



Company History

2002~ 2005

- Patent application for toothpaste containing natural antimicrobial ingredient of wasabi
- Biometa corp Established
- Signed an industrial cooperation agreement with Wonju National University
- Registered patent for extracting antimicrobial substances from wasabi
- Selected as a company to be hosted by the Technology innovation development business
- Participated in Seoul International Consumer Goods Fair 2003
- Signed business cooperation with innung
- Signed business agreement with escon system(Exclusive rights for US market)
- Wasabia Allyl Trademark Registered
- Kmark acquired(KTL-CB-04028) : Industrial Testing Center
- "2005 International Promotional Goods and Household Goods Exhibition" Attended

2006 ~ 2013

- Established Peniel World Corporation
- Wasabi Extract - Allyl isothianic acid - Patent No. 10 0676892
- Participation in "COEX Exhibition "
- Signed to supply Cultural tourism shop
- Wasabia KTR test report (safety certified)
- Social Welfare Community Chest(Fruit of love) Signed
- Signed contract with Gangwon province office
- US FDA Approved"Wasabia"
- Ilsan Myungji Hospital Contract
- Registered trademark of Wasabi Allyl - No. 40 0642201
- Jecheon Myungji hospital contract
- ISO 9001 Quality Management System Certificate I SO 14001 Environmental Management System Certificate
- Signed Contract with Yangpyeong County
- Contract with of St. Vincent House
- Hanil Green Tech contract
- US FDA Approved"Wasabia Allyl Beauty Soap"
- US FDA Approved"Wasabia Body Lotion"
- Korea Polymer Testing Institute Test Report
- Manufacture and sale of cosmetics - No. 2254
- Management Innovative SME (MAINBIZ) - No. 13060100191
- Woman enterprise certification system No. 0118020130492
- US FDA Approved"Wasabia Oriental Medicinal Treatment"
- US FDA Approved"Wasabia Antibacterial Gel"
- Wonju University -Signed a cooperation contract for technology commercialization

2014

- ISO 9001 Quality Management System Certificate ISO 14001 Environmental Management System Certificate US FDA Approved "Wasabia Natural Oriental Medicinal Shampoo"
- US FDA Approved "Wasabia Dishwashing Detergent "
- Venture company- No.2014101400
- Shamar Trademark Registered-No.40 -1034741
- Wasami Trademark Registered-No.40 -1034742
- Wasabi antibacterial bristles Patent No.10-2014-0135041
- Participated in Goyang 100 Global Commodities Fair 2004
- Participated in Gyeonggi-do women's company's excellent product sales
- Participated in Marketing Fair 2013
- Certified for research & development department No.2014150083
- Desiccant stored in USA online shopping mall
- GoesanJapan-Contract to Export to Japan

2015

- Selected as a technology commercialization fund by Small Business Corporation
- Wasabia trademark Registered: Household goods and cosmetics – No. 40-2015-0003860
- Registered trademark of Wasabia: Sweets, buns, sauces, confectionaries, etc. – No. 40-2015-0003861
- Registered trademark of Wasabia Application: Fast food restaurant, chain store – No. 40-2015-0002539
- WASABIA MARK Registration of the design: No. 30-2015-0002635
- Japanese design application: JP2015-014846-GD150001JP
- US FDA Approved : Wasabia SHAMAR Laundry Detergent
- US FDA Approved : Wasabia antibacterial airtight container
- US NDC code issued : Wasabia SHAMAR secret perfume
- Money Today Business Agreement
- Wasabia air-freshener, deodorant, fabric softener 10 types self-safety confirmation test certified.
- Small & Medium Business Administration 2015 overseas private network signed.
- Registered to the Peniel World factory in 2015
- Participated in the Goyang 100 Global Product Contest in 2015
- Export Frontier Enterprise in 2015
- Selected as a promising small and medium enterprise in 2005
- Selected as promising medium sized industry for export in 2015년
- PenielWorld Business Briefing Conference Held
- Company introduction broadcasted on Arirang TV "Company Close up"
- Confirmation of autonomous safety Self check number Issuance of test report Liquid Air-freshener F-A09B-H052001-A150 / Gel Air-freshener F-A09B-H052002-A150
- Deodorant F-A10B-H036001-A150 / Washing Detergent C-A03B-H005001-A150 Fabric Softener E-A04B-H003001-A150
- Wasabia antibacterial ball test certificate issued
- Selected for Ecofriendly Product of concern Company suited safety standard in 2015년
- 2015 Korean luxury goods Grand Prize -natural essentials
- 2015 Selected as an innovative leader to lead Korea –NewsMaker
- 2015 FDA Selected as a success story of overseas standard company
- CBS Broadcast "Make it new" Production Sponsored
- Broadcast "The Garden of Love" Production Sponsored
- World Human Bridge Sponsorship
- C Channel Broadcast Production Sponsored

2016

- Wasabia antibacterial ball test report issued/ potable water quality test standard
- Patent application for manufacturing method of antibacterial container – application number: 10-2016-0007763
- 2016 (Korea-China FTA) International Certification for Small Enterprise (Exporter + ISO)
- Selected as a project to support environmental improvement for small enterprises in 2016
- Selected as a business to strengthen export capacity in 2016
- Antibacterial fragrance trademark application 40-2016-0035037 – Exemption of household dehumidification class 03
- Antibacterial scent trademark application 40-2016-0035040 – Chapter 30 Almodpaste etc.
- Antibacterial fragrance service registration 410-2016-0021920 – category 43 fast food restaurant business etc.

Company History

2016

- Antibacterial scent logo design application 30-2016-0022736
- Sponsored the production of C-channel broadcasting
- Confirmation of small business type management innovation (MAIN-BIZ) in 2016
- Renewal of venture business confirmation in 2016
- ISO 14001 environmental management system standard certification in 2016
- ISO9001 quality management system standard certification in 2016
- Signed MOU with Vivex Corporation
- Small Business Management Innovation (MAIN-BIZ) Confirmation renewal
- Selected as domestic business enterprise export enterprise support project in 2016
- Started Wasabia in Coupang
- 2016 ASEAN DAY (ASEAN Regional Buyer Invitation to Export Conference)
- 2016 ASEAN DAY (ASEAN Regional Buyer Invitation to Export Consultation Unmanned Booth Exhibition)
- 2016 AT overseas support project selection certification registration
- Selected as a promising small business capacity enhancement project
- Manufacturing method of antibacterial container patent registration system 10-1642038
- Application of PCT for manufacturing antibacterial container
- Beverage containing wasabi and its manufacturing method patent registration system 10-1652638
- Development and sales of wasabi tea ISO22000 Food safety management standard certification
- Wasabia tea FDA FOOD SPECIALIST TEST passed
- 2016 ASEAN DAY (ASEAN Regional Buyer Invitation to Export Consultation Unmanned Booth Exhibition)
- Selected as an export consulting company for small business by 2016
- Selected as one of the top 100 global products in 2016
- Ministry of Environment – product safety management agreement concluded
- Industry-academia cooperation agreement concluded with Dongguk University
- Signed MOU with Peniel World Investment Co., Ltd. In TaebeakCity, Gangwon Province
- Agriculture, Forestry and Livestock Foods Department Small Business Administration – Small enterprise for agro-industry confirmation

- Awarded the best brand in Korea – Awarded for 2 consecutive years in the category of natural living goods
- The 10th Grand Prize in the Republic of Korea – Living part

2017

- 2016 Female Venture Company Outstanding Product Innovation Casebook (Selected as Excellent Product Division)
- ISO 9001 Quality Management System Certificate ISO 14001 Environmental Management System Certification
- Sponsored the production of C-channel broadcasting
- Kukdong Broadcasting “The Garden of Love” production sponsorship
- Included in success casebook of business strengthening export capacity design development in 2016
- US FDA approval: WASABIA SHAMAR Plus Toothpaste
- US FDA approval: WASABIA Antibacterial Ball
- Entered the Alpenia Resort duty free shop
- Delivery of Highone resort products
- Taebaeksi Wellness Anti-aging private business council chairman
- Participation in the public purchase meeting of women company corporation in Gangwon area
- 2017 Exhibition in Jeju Tangerine Expo sister city exhibition hall
- TaebaekJangseong Agricultural Complex 249-1 Haha building construction
- Wellness Anti-aging private council – commissioned
- Selected as a project to intergrate technology promotion network in 2017 – Kangwon Techno Park (prototype, marketing support)
- Wasabia tea made from wasabi released in 2018 Selected as PyeongChang Olympic Gangwon Product Center Household goods

2018

- 2018 PyeongChang Olympic Gangwon Product exhibition – Household goods display
- Kangwon Wonju University Industry-academy Cooperation Agreement on Technology Commercialization – Transfer of Pork Sauce Technology
- Pork seasoning sauce containing wasabi and its manufacturing method patent. registration number - No. 10-1652639

Organization



What is Wasabia?

Refers to Peniel World's patented technology and patented oil

From old times, Wasabi has been noticed as an antidote and as a spice that effectively removes the smell of raw fish and shellfish. Recent studies have shown that allylisothiocyanate, a spicy ingredient, has an antibacterial effect inhibiting the proliferation of bacteria causing food poisoning such as pathogenic *Escherichia coli*, O-57 bacteria and *Vibrio parahaemolyticus* bacteria ect. It has also been found that allylisothiocyanate has an anti-fungal effect and that it prevents blood clotting, and that it has various other functions such as prevention of thrombosis, antioxidation and anti-aging effects. Wasabia uses such ingredients extracted from wasabi to make products that are not only able to eliminate unpleasant smells and to enhance fragrances, but also act as sterilizers. Most diffusers function as a concealer that conceals unpleasant odors using a stronger fragrance. However, Wasabia's products eliminate the cause and the source of the unpleasant smell, such as bacteria and fungus, through the antibacterial effect of the wasabi. Therefore, by eliminating the bacteria and fungus, the eliminated smell does not re-occur until after re-contamination. Moreover, because it uses natural wasabi oil it is harmless to the human body and there is no body rejection side effects such as headache.



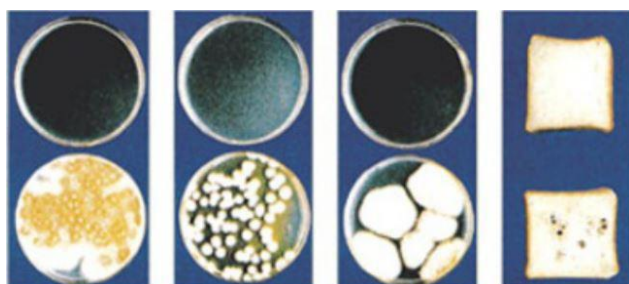
Germicidal effect of Wasabia

Mold prevention test using Wasabia

Prevents the growth of fungus which causes irritable pneumonia

Name of Fungi	Application of WASABIA	Non-application
Aspergillus (Black yeast mold)	-	+
Penicillin (Blue mold)	-	+
Credosporium (Black mold)	-	+
Asternaria (Sooty mold)	-	+
Normal mold	-	+

(+ Developing) (± a little developing) (-No developing)



Aspergillus

penicillin

sooty mold

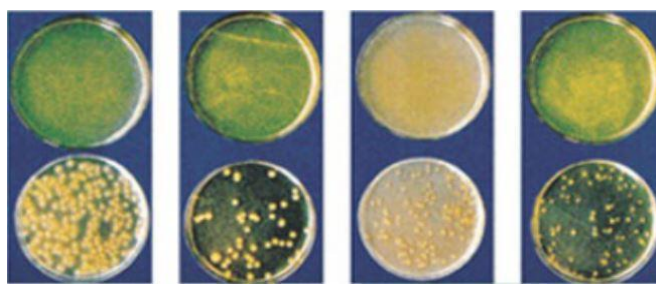
bread mold

Antibacterial effect test using Wasabia

Prevents harmful bacteria which causes food poisoning

Name of bacterium	Application of WASABIA	Non-application
Colon bacillus	55	220
Salmonella	0	136
Staphylococcus	0	182
Nagu Vibrio	0	111
Enteritis Vibrio	0	94

As a result of antibacterial test against O-157 with WASABI Oil, it was showed that bacteria did almost not proliferate at room temperature of 37°C even after 48 hours passed.



colon Bacillus

Salmonella

Staphylococcus

Enteritis Vibrio

The efficacy of Wasabia

01 Antibacterial

The wasabi component present in the air suppresses propagation after destroying the biological structure of the bacteria. In recent years, O-157 has been tested for antibacterial effect by using the patented wasabi oil. The result is that "bacteria do not proliferate even after 48 hours at room temperature of 37 degrees Celsius".

02 Deodorization

After the molecules, which are the cause of an unpleasant smell, are absorbed on the cyclic oligosaccharide they are decomposed into an odorless gas with vaporized wasabi ingredient to remove the smell.

03 Antifungal

The volatile wasabi ingredients that are floating in the air help the suppression of fungus propagation, and the invisible spores are eradicated from the root.

04 Insecticide

The stimulation of the vaporized wasabi ingredient floating in the air destroys the insects' senses and exterminates them. Especially, it exerts a high effect on the parasitic ricebirds and cockroaches in the rice cask.

05 Freshness maintenance

The sprayed wasabi ingredients suppresses the occurrence of insects, germs, virus molds, etc. attached to the cell membrane of the food. Therefore, in a space filled with vaporized wasabi ingredients the freshness of the food can be maintained for 3 to 10 times longer delaying the occurrence of food contamination.

06 Safety

Wasabi has been defined as "a plant that can be used for food without restriction" from the Food and Drug Safety Administration Association. Wasabia is, therefore, a safe product made from materials extracted from natural wasabi.

Product Lineup – Household Goods



Wasabia hair products



Wasabia hand sanitizer



Wasabia diffuser



Wasabia desiccant



Wasabia soap products



Wasabia secret perfume



Wasabia oral products



Wasabia faucet filter



Wasabia body products



Portable hair, body, hand sanitizer



Wasabia laundry detergent



Portable kitchen detergent



Wasabia deodorants



Wasabia self-defense spray



Wasabia shower head



Wasabia fragrance ventilator

Product Lineup – Tea, Seasoning Sauce

Wasabia wasabi tea



1. Carbazole pectine content

The pectin ingredient is excellent in cleansing the intestine and preventing colon cancer, and is abundantly present in wasabi leaves.

2. Polyphenol content

It is good for anti-aging and neutralizes the harmful oxygen.

3. Flavonoid content

A good vegetable compound that helps the absorption of vitamin C and it has antioxidant property.

4. Activation of hydrothermal extract

Hydrothermal extract of the wasabi prevents obesity and insulin resistance.

Wasabia wasabi seasoning sauce



1. Polyphenol content

The amount of polyphenol increases as the pork is stored and aged with the wasabi sauce.

2. Red pigment of pork

The addition of sauce with increased concentration of wasabi helps to prevent red pigment change of the pork (delaying the contamination of the pork).

3. Crunching effect of pork

The wasabi sauce lowers the intensity of the meat and softens it in comparison to the ordinary sauce.

Wasabia airtight container set



Peniel World manufactures and sells antibacterial airtight containers containing wasabi extracts.

Products

Shamar wasabi self-defense spray



Product name	Shamar wasabi self-defense spray
Volume	5ml
Consumer price	35,000KRW
Main ingredients	Patented wasabi oil, alcohol etc.
Technology development	Peniel Institute
Types	Gold, black, red, silver
Exterior material	Aluminium

Product characteristics

- It is a safe product that has passed the US FDA safety test and it contains patented wasabi oil, which disappears when it is washed with water.
- Even if it is not on the face, if you spray the liquid around it, it will stimulates the respiratory tract and can afflict you for more than 10 minutes. If you spray it directly in the eyes, you will not be able to open your eyes and your nose and eyes will start to tear up.

Wasabia beauty soap



Product name	Wasabia beauty soap
Volume	100g(moisture content included),85g(moisture content exluded)
Consumer price	20,000KRW
Main ingredients	Patented wasabi oil, tocopherol, vegetable palm oil, etc.
Technology development	Peniel Institute
Types	Aloe, poppy, lavender, aqua, rosemary, herbal
Certification	US FDA lawful ingredient safety test product

Product characteristics

- Using the finest beauty soap ingredients and wasabi extract oil, it eliminates the cause of skin troubles in advance by removing the causes of skin trouble such as micro-noxious bacteria and cosmetic residue in the pores.
- It uses only the patented wasabi oil and natural plant extract to eliminate the bacteria causing skin troubles. Antibacterial, nutrition and moisturizing properties are the basics.

Wasabia mini beauty soap



Product name	Wasabia mini beauty soap
Volume	1EA×20g
Consumer price	4,000KRW
Main ingredients	Patented wasabi oil, tocopherol (vit E etc.), vegetable palm oil, natural lavender incense
Technology development	Peniel Institute
Types	Aloe, poppy, lavender, aqua, rosemary, herbal, rose
Certification	US FDA lawful raw material safety test product

Product characteristics

- Using the finest beauty soap ingredients and wasabi extract oil, it eliminates the cause of skin troubles in advance by removing the causes of skin trouble such as micro-noxious bacteria and cosmetic residue in the pores.
- It uses only the patented wasabi oil and natural plant extract to eliminate the bacteria causing skin troubles. Antibacterial, nutrition and moisturizing properties are the basics.

Wasabia natural bodywash



Product name	Wasabia natural bodywash
Volume	500ml
Consumer price	25,000KRW
Main ingredients	Patented wasabi oil, poppy extract, olive oil, etc.
Technology development	Peniel Institute
Purpose	Good for itching caused by frequent shower
Certification	US FDA ingredient safety test approved product

Product characteristics

- With the nutrition and moisturizing of the patented wasabi oil and poppy extract & olive oil, you can keep your skin clean and moisturized throughout the day.
- It is a body product that passed the safety test with the grade
- that the US FDA requires. It does not contain harmful ingredient to skin such as paraben, chemical fragrance, pigment, benzophenone, animal raw material, dimethicone. It moisturizes and smoothes dry and rough skin.

Wasabia natural body lotion



Product name	Wasabia natural body lotion
Volume	500ml
Consumer price	25,000KRW
Main ingredients	Patented wasabi oil, Poppy extract, Olive Oil Etc
Technology development	Peniel Institute
Purpose	Good for itching caused by dry skin.
Certification	US FDA Ingredient Safety Test Approved Product

Product characteristics

- Natural moisturizing ingredients such as vegetable oils, mushroom extract, angelica extract, shea butter, oatmeal, and Baobab extract form a protective moisture barrier on the skin, so you can keep it moisturized throughout the day if you use it on rough and dry skin.
- It feels fresh and non-greasy. Excellent skin moisturizing and nutritions supply keep your skin moisturized and healthy.

Wasabia natural body lotion



Product name	Wasabia natural body lotion
Volume	500ml
Consumer price	25,000KRW
Main ingredients	Patented wasabi oil, Poppy extract, Olive Oil Etc
Technology development	Peniel Institute
Purpose	Good for itching caused by dry skin.
Certification	US FDA Ingredient Safety Test Approved Product

Product characteristics

- Natural moisturizing ingredients such as vegetable oils, mushroom extract, angelica extract, shea butter, oatmeal, and Baobab extract form a protective moisture barrier on the skin, so you can keep it moisturized throughout the day if you use it on rough and dry skin.
- It feels fresh and non-greasy. Excellent skin moisturizing and nutrients supply keep your skin moisturized and healthy.

Wasabia natural oriental shampoo



Product name	Wasabia natural oriental shampoo
Volume	500ml
Consumer price	30,000KRW
Main ingredients	Patented wasabi oil, Ginseng, Black bean, Gosam, Sasae, Iris, Aloe, Green tea, Rosemary, Peppermint, etc.
Technology development	Peniel Institute
Purpose	Good for itching caused by dry scalp
Certification	Passed US FDA quality safety test

Product characteristics

- It is a new concept herbal functional shampoo that uses wasabi extract and herbal plant to cleanse wastes of hair and scalp and supply nutrition.
- Helps relieve the itching caused by the dryness of the skin. The herbal extract ingredients help to make the hair more elastic and healthy. The peppermint ingredients refresh the dry scalp all day long.

Wasabia natural treatment



Product name	Wasabia natural treatment
Volume	500ml
Consumer Price	30,000KRW
Main ingredients	Patented Wasabi oil, ginseng, black bean, gosam, sasae, Iris, aloe, green tea, rosemary, peppermint, etc.
Technology development	Peniel Institute
Purpose	Good for itching caused by dry scalp.
Certification	Passed US FDA quality safety test

Product characteristics

- It is a herbal functional treatment that provides protein, nutrition and protects the skin with frequent dyeing and permed hair.
- Helps relieve the itching caused by the dryness of the skin. The herbal extract ingredients help to make the hair more elastic and healthy. The peppermint ingredients refresh the dry scalp all day long.

Shamar secret perfume



Product name	Shamar secret perfume
Volume	5ml
Consumer price	25,000KRW
Main ingredients	Natural fragrance (6 types), patented wasabi oil, angelica extract, ladybug extract, plantain extract
Technology development	Peniel Institute
Types	Lavender, rosemary, herb, jasmine, freesia, rose
Certification	US FDA Ingredient Safety Test approved product

Product characteristics

- It is a cleansing perfume for women to use it on sensitive parts or where fragrance are needed.
- Contains natural wasabi extract and is a safe fragrance compared to general chemical perfume.

Wasabia Hand Wash clean gel



Product name	Wasabia Hand Wash Clean Gel
Volume	500g
Consumer Price	25,000KRW
Main Ingredient	Patented wasabi oil, chamomile, carbomer, peppermint, green tea, aloe vera, karen tuller, coconut oil, etc.
Technology development	Peniel Institute
Purpose	It is good to apply as a substitute for hand lotion on rough hands
Certification	US FDA Ingredient Safety Test approved product

Product characteristics

- The wasabi ingredient makes the contaminated hands clean.
- Gel type easily evaporates and no residue remains. Safe wasabi extract is the main ingredient, children can use it safely. When you have contact with newborn babies after touching other things, when you go out, you can keep your hands clean at any time and anywhere.

Wasabia Antibacterial fragrance deodorant



Product name	Antibacterial fragrance deodorant(fabric perfume)
Volume	150ml, 60ml
Consumer price	15,000KRW(150ml), 6,000KRW(60ml)
Main ingredients	Patented wasabi oil, lavender extract, centella asiatica extract, rosemary extract, natural fragrance
Technology development	Peniel Institute
Types	Phytoncide, poppy
Certification	Passed US FDA quality safety test

Product characteristics

- It is a antibacterial fragrance deodorant made from natural ingredients that basically blocks causative bacteria that are the source of bad odors due to the powerful action of patented wasabi oil.
- Bacteria and fungus are removed by the antibacterial effect of wasabi eliminating bad smells, so no odor is generated until it is re-contaminated. It is also made of natural ingredients harmless to the human body which would hardly cause any negative effects or headaches.
- Wasabia fragrance deodorant can be used in multi purpose anywhere you would like to be fraganced or deodorized.

Wasabia Antibacterial Portable Spray



Product name	Wasabia antibacterial portable spray
Volume	60ml
Consumer price	6,000KRW
Main ingredients	Patented wasabi oil, plant extract incense etc
Technology development	Peniel Institute
Expiration date	1year from the date of release
Certification	US FDA Ingredient Safety Test approved product

Product characteristics

- It always keeps the pleasant indoor space by eliminating the bacteria and fungus
- It eliminates the bacteria which causes bad odor instead of covering it up with stronger fragrance.

Wasabia antibacterial surrounding deodorant



Product Name	Wasabia antibacterial surrounding deodorant
Volume	500ml
Consumer Price	30,000KRW
Main ingredients	Patented wasabi oil, plant extract incense etc.
Technology Development	Peniel Institute
Expiration Date	1year from date of release
Certification	US FDA Ingredient Safety Test Approved Product

Product characteristics

- It can be used in anywhere deodorization is necessary. It eliminates various harmful bacteria which is the cause of bad smell. It can be easily used in spray form and there is no headache or irritation due to natural fragrance.

Wasabia antibacterial natural kitchen deodorant



Product Name	Wasabia antibacterial natural kitchen deodorant
Volume	500ml
Consumer price	30,000KRW
Main ingredients	Patented wasabi oil, plant extract fragrance, etc.
Technology development	Peniel Institute
Expiration date	1year from date of release
Certification	US FDA Ingredient Safety Test Approved Product

Product characteristics

- All odors, bacteria and fungus in the kitchen are removed at once, and it has excellent antibacterial and antifungal properties.
- It uses strong antimicrobial, antifungal and deodorizing power of the wasabi oil to strongly take out kitchen, sink, gas range hood and fish smell.

Wasabia sperm whale dehumidifier



Product Name	Wasabia sperm whale dehumidifier
Volume	515ml
Consumer price	5,000KRW
Main ingredient	Patented wasabi oil, calcium chloride, charcoal, herbs, etc.
Technology development	Peniel Institute
Purpose	Where you want to remove moisture, such as closets, bedclothes, and drawers
Exchange Period	Until the water fills up to the side marker

Product characteristics

- It is a highly functional dehumidifier that keeps the essence of the product for a long time by removing the odor by eliminating the bacteria that cause the bad smell with the patented antibacterial technology of Wasabia.
- It is a highly functional dehumidifier that can be used throughout all seasons. It has excellent basic antimicrobial ability. Even if water is put in the container due to dehumidification, there is no worry about breeding of germs.

Wasabia membrane natural air freshener



Product name	Wasabia membrane natural air freshener
Volume	3g
Consumer price	4,000KRW
Main ingredients	Patented wasabi oil, plant extract fragrance, etc.
Technology Development	Peniel Institute
Types	Rosemary, lavender, peach, freesia, rose
Exchange period	Approximately 40 to 60 days (depending on environment) Replacement when liquid phase is exhausted

Product characteristics

- It is easy to carry and it is a natural fragrance with antibacterial, deodorizing, antifungal and other functions.
- It has a small but powerful product for deodorizing effect, and can be used anywhere antibacterial scent is necessary such as smartphone case, bag, car, shoe rack, closet and more.

Wasabia membrane natural air freshener (mini)



Product Name	Wasabia membrane natural air freshener (mini)
Volume	1g
Consumer Price	1,000KRW
Main ingredients	Patented wasabi oil, plant extract fragrance, etc.
Technology Development	Peniel Institute
Types	Rosemary, jasmine, sweet herb
Expiration date	Approximately 20 to 30 days (depending on the environment) replacement required when the liquid is exhausted

Product characteristics

- It is a portable natural air-freshener with antibacterial, deodorizing, antifungal functions
- It has a small but powerful product for deodorizing effect, and can be used anywhere antibacterial scent is necessary such as smartphone case, bag, car, shoe rack, closet and more.

Wasabia automatic sprayer



Product Name	Wasabia automatic sprayer
Volume	390g
Consumer price	4,000KRW
Main ingredients	Patented wasabi oil, plant extract fragrance, etc.
Technology Development	Peniel Institute
Types	Red, green
Exchange period	Approximately in every 60days replacement is required.

Product characteristics

- It automatically cleans the room air and always creates a pleasant and refreshing space.
- Timer function adjusts the intensity of fragrance. Electronic automatic sprayer maintains pleasant indoor environment for 24 hours. It is easy to install and operate, and it is made safe and durable by using durable thermoplastic ABC plastic.
- If you use the automatic sprayer in a high place, it will help you to effectively sterilize, deodorize and purify more wider space.

Wasabia natural antibacterial liquid fragrant (refill)



Product Name	Natural antibacterial liquid fragrant(refill)
Volume	210ml
Consumer Price	30,000KRW
Main Ingredient	Patented wasabi oil, plant extract fragrance, etc.
Technology Development	Peniel Institute
Types	Peach, jasmine, hazelnut, dewberry, sweet herb, chrysanthemum, lavender, eucalyptus, burberry, rosemary, phytoncide, chanel, freesia, quince
Exchange period	Refill liquid to be replaced approximately 60 days cycle.

Product characteristics

- You can enjoy your favorite aroma in 16 different kinds of fragrances. Its natural fragrance that does not cause headache even in an enclosed environment.

Wasabia fragrance ventilator



Product name	Wasabia fragrance ventilator
Volume	390g
Consumer price	35,000KRW
Main ingredients	Patented wasabi oil, plant extract fragrance, etc.
Technology development	Peniel Institute
Expiration date	organic wasabia gel refill (oily nature) about 40~60 days
Certification	US FDA lawful material safety test product

Product characteristics

- The blower scent supply method eliminates the discomfort of direct spray.
- It is noiseless and it continuously maintains a forest-like air with its natural fragrance. Because it is a blower scent supply method instead of a direct spray method, it is recommended for those who want to feel the fragrance in a gentle and elegant way.

Wasabia antibacterial wasabia gel(oily nature)



Product name	Wasabia antibacterial wasabia gel (oily nature)
Volume	65g
Consumer price	25,000KRW
Main ingredients	Patented wasabi oil, calcium chloride, charcoal, herbs, etc.
Technology development	Peniel Institute
Purpose	Herbs, peach, hazelnut
Exchange period	1 year from date of release

Product characteristics

- It is an effective antibacterial and insecticide that keeps the indoor environment clean thanks to the strong deodorization property of the patented wasabi oil that helps eliminates the root cause of internal germs in cars, offices, living rooms, closets, shoe boxes, toilets ect.
- Using the patented wasabi oil it does not cause headaches. The antibacterial wasabi gel, which maximizes deodorization and refreshment, is fundamentally different from existing fragrances and deodorants.

Wasabia antibacterial wasabia gel (aqueous)



Product name	Wasabia antibacterial wasabia gel (aqueous)
Volume	65g
Consumer price	10,000KRW
Main ingredients	Patented wasabi oil, plant extract incense, etc.
Technology development	Peniel Institute
Types	All-purpose (orange), refrigerator (wasabi), car (peach)
Exchange period	1 year from date of release

Product characteristics

- It keeps the interior of the car comfortable by removing odors such as tobacco smell.
- Especially, it has an antibacterial effect that helps the removal of harmful bacteria and the deodorization of the vehicle's air conditioner.

Wasabia for antibacterial clean table



Product name	Wasabia for antibacterial clean table
Volume	65g
Consumer price	25,000KRW
Main ingredients	Patented wasabi oil, plant extract incense, etc.
Technology development	Peniel Institute
Type	Orange fragrance
Certification	US FDA lawful ingredient safety test product

Product characteristics

- The strong sterilization and deodorization of the patented wasabi oil, together with a delicate orange fragrance, will help your appetite.
- It is an all-purpose washing deodorant which can be used for dining tables as well as desks, refrigerators, microwaves, cell-phones, and glass windows.

Wasabia eco-friendly kitchen detergent that nature likes



Product name	Wasabia eco-friendly kitchen detergent that nature likes
Volume	750ml
Consumer price	17,500KRW
Main ingredients	Patented wasabi oil, citron, tea tree oil, persimmon leaves, pineapple, green tea, Jeju citrus oil, etc.
Technology development	Peniel Institute
How to use	About 2ml for 1 liter of water
Certification	US FDA ingredients safety test approved product

Product characteristics

- Using natural ingredients it is an excellent pesticide and pollutant remover, and because there is no residual ingredients it is an eco-friendly kitchen detergent which does no harm to people or to their skin.
- Specified by the National Health and Welfare Ministry as one of the high-concentrated kitchen detergent it is fine to wash fruits and vegetables. And the wasabi extract, green tea extract, and citrus extract which are edible were made as a main ingredient in consideration of the health of the family

Wasabia antibacterial wasabia Q



Product name	Wasabia antibacterial wasabia Q
Volume	500g
Consumer price	25,000KRW
Main ingredients	Patented wasabi oil, plant extract incense, etc.
Technology development	Peniel Institute
Types	Lavender, peach, hazelnut
Expiration date	1 year from date of release

Product characteristics

- It is a gel-typed deodorant with Wasabia's patented wasabi oil that can block bacteria and fungus at the source to maintain fresh and delicate fragrance even in a wide space.

Wasabi antibacterial car spray



Product name	Wasabia antibacterial car spray
Volume	100ml
Consumer price	10,000KRW
Main ingredients	Patented wasabi oil, plant extract incense, etc.
Technology development	Peniel Institute
Types	Peach, orange
Certification	US FDA lawful ingredient safety test approved product

Product characteristics

- Eliminates every species of harmful bacteria such as air conditioner mold and deodorizes the car. The natural antibacterial action of the patented wasabi oil purifies the air inside the car, creating a pleasant and refreshing space.

Shamar diffuser



Product name	Shamar diffuser
Volume	50ml
Consumer price	30,000KRW
Main ingredients	Daufer (Spain) oil, patented wasabi oil, etc.
Technology development	Peniel Institute
Types	Clean cotton, black cherry, bergamot
Certification	US FDA lawful ingredients safety test approved product

Product characteristics

- It is a functional diffuser made with 100% Spanish Daufer oil and patented wasabi oil which help maintain the fragrance and the antibacterial effect.
- The patented wasabi oil can rapidly remove bad smells by removing invisible dusty bacteria and fungus virus in the air.
- About 90 days or more (depending on the environment). Replacement required when liquid is exhausted.

Shamar plus antibacterial toothpaste



Product name	Shamar plus antibacterial toothpaste
Volume	200g
Consumer price	20,000KRW
Main ingredients	Patented wasabi oil, aminocaproic acid, allantoin chlorohydroxy aluminium, etc.
Technology development	Peniel Institute
Certification	US FDA lawful raw material safety test product
Patent	Manufacturing method of antibacterial container – World's first antibacterial cap and tube.

Product characteristics

- It is the World's first wasabi toothpaste made without paraben/triclosan.
- The antibacterial effect of the patented wasabi oil is not only inhibiting bacteria in the mouth, but also has other excellent effects such as tooth decay prevention, gum disease prevention, white teeth maintenance, bad breath removal, and plaque removal.
- Synthetic surfactant, paraben free, triclosan acid free, flourine free, saccharin free, artificial flavor free, tar pigment free, synthetic preservative free. Due to the absence of chemical ingredients harmful to human body it does not cause the juice effect (fruit tasting bitter after brushing your teeth).

Shamar antibacterial toothbrush



Product name	Shamar antibacterial toothbrush
Volume	30g
Consumer price	1EA: 5,000KRW 1SET: 40,000KRW
Main ingredients	Synthetic resin wool
Technology development	Peniel Institute
Wool material	Synthetic resin wool
Patent	Micro wool containing Wasabia patented substance 10-20140135041

Product characteristics

- By adding Wasabia's antibacterial substance patented technology: patented wasabi oil on the bristles, it is made to have excellent antibacterial effect, such as plaque removal, tartar removal, gum disease prevention and bad breath removal.
- Because of the addition of the patented wasabi oil it has an excellent antibacterial property and it can guarantee the dental health with only a toothbrush.

Shamar laundry detergent



Product name	Shamar laundry detergent
Volume	2kg
Consumer price	30,000KRW
Main ingredients	Patented wasabi oil, natural poppy incense, vegetable non-ionic surfactant, etc.
Technology development	Peniel Institute
Expiration date	2 years from the date of release
certification	US FDA lawful ingredients safety test approved product

Product characteristics

- Using natural wasabi ingredients it is an environmental-friendly laundry detergent which is harmless to the skin having no residual components. (both for common use and drum washing machine).
- Contains extract of wasabi and has excellent antibacterial and deodorizing properties against perennial and pathogenic microorganisms such as bacteria and fungi virus. Quick rinsing saves water and prevents environmental pollution due to rapid decomposition.

Shamar antibacterial ball shower



Product name	Shamar antibacterial ball shower
Volume	Total - 386g / shower - 235g / Filter - 17g
Consumer price	48,000KRW
Main ingredients	Patented wasabi oil, natural poppy incense, vegetable non-ionic surfactant, etc.
Technology development	Peniel Institute
Filter	Sediment, filter, head filter
Certification	US FDA lawful raw material safety test product

Product characteristics

- Obtained a certificate of non-detection of heavy metals and harmful substances through water quality process test at KTR Korea chemical fusion Test and Research institute. It is a antibacterial shower that has an antibacterial wasabi bowl, 7 stage filtering, water pressure increase, and water-saving properties.
- The antibacterial and water purification effects are excellent, and it has fine water flow resulting in more than 20% water-saving thanks to the micro-injection nozzle.

Shamar antibacterial ball shower-head filter



Product name	Shamar antibacterial ball shower-head filter
Volume	16g
Consumer price	4,000 KRW
Main ingredients	Wasabia antibacterial balls, mineral ceramic balls, calcium aroate balls, tourmaline ocher balls, etc.
Technology development	Peniel Institute
Functional balls	Antibacterial balls, chlorine balls, mineral ceramic balls, tourmaline ocher balls, alkaline balls, magnetite balls, calcium aroate balls.
Filter	Sediment, filter, head filter.

Product characteristics

- The Wasabia Shamar shower head filter can be replaced when the shower-head filter is discolored by rust.
- Wasabia antibacterial ball + chlorine ball + mineral ceramic ball +tourmaline ocher ball +akaline ball +magnetite ball + calcium aroate ball. A total of 7 functional balls are excellent for antibacterial and purification effects.

Shamar antibacterial ball shower refill filter



Product name	Shamar antibacterial ball shower refill filter
Volume	26g
Consumer price	14,000KRW
Main ingredients	ABS+PS+chrome-plated aluminium+silicon etc.
Technology development	Peniel Institute
Functional balls	Antibacterial balls, chlorine balls, mineral ceramic balls, tourmaline ocher balls, alkaline balls, magnetite balls, calcium aroate balls.
Filter	Sediment, filter, head filter

Product characteristics

- It is a product that can replace the shower filter when it is discolored by rust while using the Wasabia Shamar shower.
- Wasabia antibacterial ball + chlorine ball + mineral ceramic ball +tourmaline ocher ball +akaline ball +magnetite ball + calcium aroate ball. A total of 7 functional balls prevent pipe rust, water tank contamination, and chlorine residual providing healthy water for your skin by using a ceramic ball that emits far infrared rays and negative ions.

Shamar faucet filter (for general use, for washing machine)



Product name	Shamar faucet filter (for general use, for washing machine)
Volume	120g
Consumer price	28,000KRW
Main ingredients	p.p+nonwoven fabric+vitamin ball+antibacterial wasabi ball+chlorine ball
Technology development	Peniel Institute
Size	Width 49mm X height 121mm X depth 49mm
Filter	Sediment, filter, head filter

Product characteristics

- There are two types of Wasabia's faucet filters with antibacterial wasabi balls and mineral balls: one for general use and one for washing machine.
- The antibacterial effect of natural wasabi can help the purification of water and help remove the pesticide residues contained in vegetables and fruits.

Shamar rust removal filter (Bellows, cobra)



Product name	Shamar rust removal filter (Bellows, cobra)
Volume	72g
Consumer price	23,000 KRW
Main ingredients	p.p + nonwoven fabric + vitamin ball + antibacterial wasabi ball + chlorine ball
Technology development	Peniel Institute
Size	width 49mm X height 75mm X depth 49mm
Filter	Sediment, filter, head filter

Product characteristics

- Wasabia's bellows is a cobra-type faucet filter with antibacterial wasabi balls and mineral balls.
- The antibacterial effect of natural wasabi can help the purification of water and help remove the pesticide residues contained in vegetables and fruits.



Keep your family healthy with **Wasabia**



No matter how hard we try to keep our houses clean, invisible germs keep on threatening our family's health.
Now protect your family's health with Wasabia at every corner of your house and at every corner of your family's car!