



ShoeB

smart living better solution



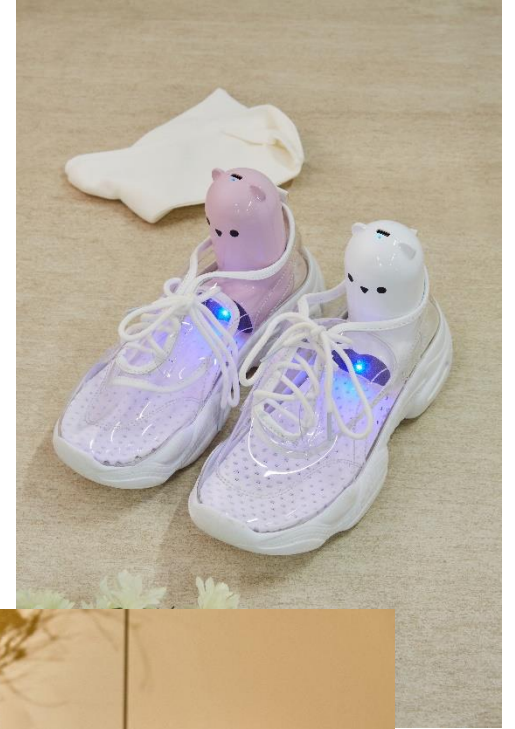
Multi-purpose  
Shoe Care device  
ShoeB

SmartreumbangE Inc.



# Contents

1. Brand Introduction
2. Overview
3. Product Features
4. Mode Description
5. Intellectual Property rights and Transcripts
6. How to Use





## 1. Brand Introduction



**ShoeB**  
smart living better solution

ShoeB is a multi-purpose shoe care device that realizes  
'Shoes in the Best condition'



## 2. Overview

ShoeB is a multi-purpose shoe care device that can manage the inside of shoes, which are hard to clean every day.

By adding a pleasant fragrance to shoe drying, deodorizing, and sterilizing, you can manage the smell in your shoes.

It has a small and cute design, and anyone can take care of their shoes without any worries.

Using the fragrance function, you can use it as an air freshener in spaces such as shoes, entrances, and closets, and easily sterilize mobile phones earphones, and other objects you use every day with the sterilization mode.







### 3. Product Features



#### Can be used wirelessly for 4 hours

We mitigated the hassle of recharging by designing it so that it can be used much longer than other wireless shoe care devices.

(Charging time : 2hours / Wireless usage time : 30 minutes mode for 8 sessions)



#### Double management of shoe odor

After deodorizing the smell from shoes, it adds a pleasant fragrance to the shoes through the scent block.



#### Applicable to a variety of shoes

With its optimized design, it can be used for diverse types of shoes, such as children's shoes, low shoes, flat shoes, and high ankle shoes



### 3. Product Features



#### Ultra-small / Ultra-light

Designed to be smaller and lighter,  
the world's smallest shoe care device makes shoe management easier.



#### C-type charging

With the C-type charging method, you can conveniently charge it  
with an electronic charger that you already have.



#### Maximizing usability

It can be used as an air freshener for shoe racks, closet, toilet,  
as well as for shoe care, it can also be used as a portable sterilizer.



## 4. Mode Description

Mode 1

### Shoe Care



Used for shoes, hats, gloves  
That are damp from sweat, etc.

Mode 2

### Fragrant



Used for musty shoe cabinets,  
wardrobes, cabinets, etc.  
that are difficult to ventilate.

Mode 3

### Sterilization



For daily use for mobile phones,  
wallets, earphones, etc.



## 4. Mode description – Mode 1 Shoe Care

### 1. Drying

Using an air convection method inspired by natural wind, it dries the inside of the shoes moistened with sweat without any damage.

### 2. Sterilization

UV-C Led eradicates bacteria and odor molecules to keep the inside of shoes comfortable.

(To prevent malfunction and safe use of ShoeB, press the button for 3 seconds to turn on the power. UV will operate in 10 seconds after turning on the power

### 3. Deodorizing

Odor molecules trapped in shoes are discharged to the outside through about 3,000 cycles for 30 minutes, and odor-causing bacteria are removed through UV sterilization.





## 4. Mode description – Mode 2 Fragrance



- Scent block material

ShoeB's scent block is made of diatomite.

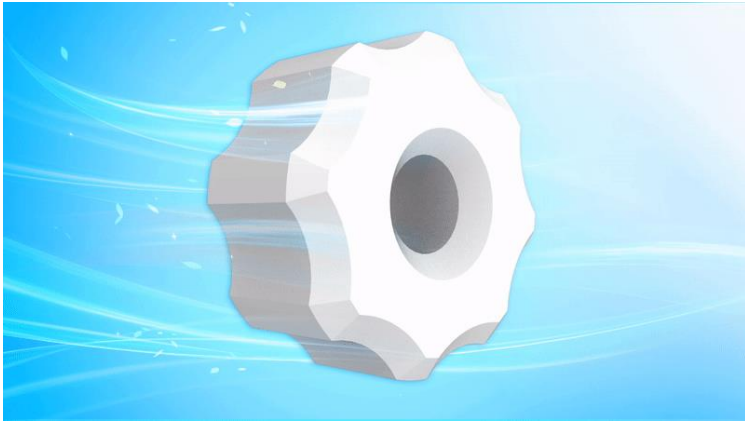
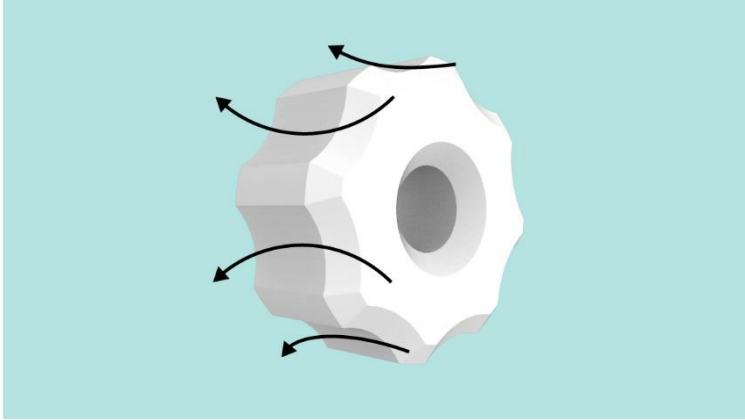
Diatomite is an optimized material for shoe care because it has moisture removal and antibacterial effects.

In addition, its absorption rate is 50 times higher than that of ordinary gypsum, which makes the scent stronger, allowing the fragrance to last longer.

(The fragrance is released for about a month)



## 4. Mode description – Mode 2 Fragrance



- Scent block design

ShoeB's scent block is made in the shape of a cogwheel to maximize air circulation. As the wind touches the surface of the scent block, it infuses fragrance into every corner of the shoes and spreads the scent more strongly and quickly inside musty spaces such as shoe racks, closets, and restrooms that are difficult to ventilate.



## 4. Mode description – Mode 3 Sterilization

-UV sterilization

UV-C, which has the shortest wavelength but the strongest sterilization effect, and UV-A, which has a slow but long wavelength, are combined to exterminate bacteria in shoes.

- UV-C LED

An eco-friendly UV-C LED is implemented, so you don't have to worry about mercury and ozone. It offers strong sterilization power that destroys the DNA of bacteria.

- UV-A LED

The sterilization rate is slow since visible light harmless to the human body, but it is absorbed into the porphyrin in bacteria molecules to produce ROS, which fundamentally blocks bacterial regeneration.



## <Design registration>

<Salmonella 99.99%>

<Staphylococcus aureus 99.99%>

<Escherichia coli 99.99%>

생물학 번호 KAA021023-004

Page 1 / 3

## 한국과학기술원(KATR)

영리 : 02-516-1000 / 팩스 : 02-516-2333 / e-mail : katr@katri.ac.kr

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# 시험성적서

시험 항목 : 고대물종시험(Catium solution test) - 영문출제

영문 시험번호 : KAA021023-004

영문 번호 : KAT02M1001-1510

시험 일자 : 2021. 10. 01 ~ 2021. 10. 01

영문 장소 : 경기도 고양시 일산동구 143-2-219-20

시험 사항 : 2021. 10월 영문

■ 고3 생물 2 과학 서형

주 소 : 경기도 고양시 일산동구 50, 경일대학교 R&D센터 M104호

용 도 : 필선형지

제 목 : -

시 료 명 : 휴대용 선반기

### 시험 결과

시험구분	시험결과(단위)	등급	시험구
<i>Escherichia coli</i>	40점 중 39점(97.5%)	2등급 100%	-110
ATCC 29246(대장균)			99.99

시험 방법 : 필선 - 기구

필선 방법 : 필선 - 40점

필선 시간 : 필선 - 2021.10.01

시험 결과 :

1. 고대물종 시험(KATR solution test) 결과에 따라 등급을 결정하여 필선 결과를 표시합니다.

2. 이 시험 결과는 KATR에 등록된 시험결과로만 유효하며, 영문 시험 결과와 일치하지 않을 경우 재시험을 실시합니다.

3. 기구 시험 결과에 따라 등급을 (95 ~ 99.99% : 2등급, 94.99% 이하 : 3등급)으로 결정합니다.

결과 해석 :

영문 시험결과 : 영문 - 39점(97.5%)

→ 영문 시험 결과 39점(97.5%)에 따라 2등급 100% 후 시험구(대장균)에 따라 구

→ 필선 시험 결과에 따라 등급을 결정하여 필선 결과를 표시합니다.

1. 이 성적서는 시험 결과의 정확성을 보장할 목적으로 시험결과를 시험 결과에 따라 등급을 결정하여 필선 결과를 표시합니다.
2. 이 성적서는 KATR에 등록된 시험결과로만 유효하며, 영문 시험 결과와 일치하지 않을 경우 재시험을 실시합니다.
3. 시험결과에 따라 등급을 (95 ~ 99.99% : 2등급, 94.99% 이하 : 3등급)으로 결정합니다.

2021년 10월 20 일

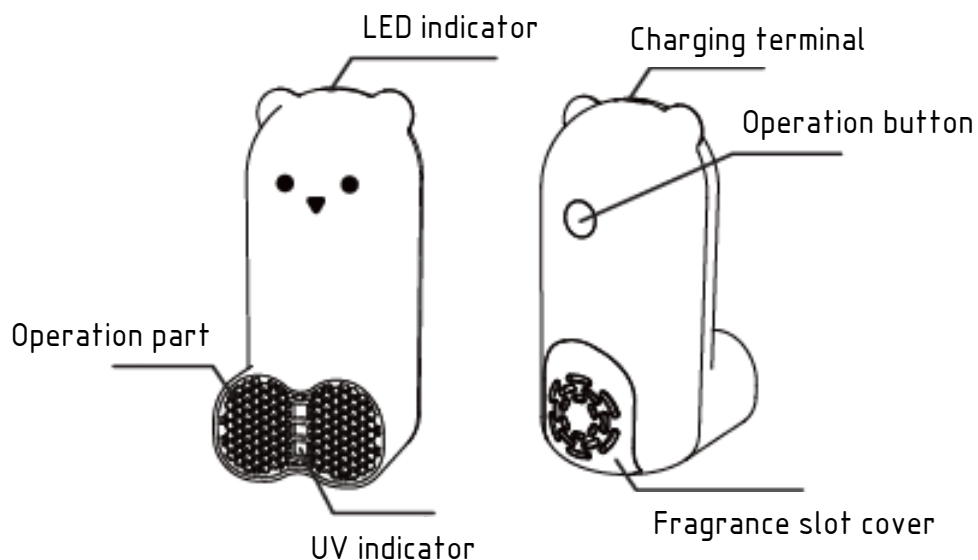
한국과학기술원

OPF-16-0000



## 6. How to Use

### \*Product name



1 If you press and hold the button and turn on the power, Mode 1 will be activated..

2 You can change the mode by briefly pressing the button  
Change order : Mode 1→Mode 2→Mode 3→ OFF  
You can check the light on the top of the product to see what mode it is in.  
Mode 1: Blue / Mode 2 : Green / Mode 3 : Red

3 If you want to turn if off, the Power button to end the operation

### \* How to use the Sterilization Mode

Use a sweeping motion 2 to 5 cm above the object to be sterilized for about 3 minutes.

Item	Contents	Item	Contents	Item	Contents
Size	52*63.3*110mm	Charging method	USB C-type	Department	Sales & Marketing
Weight	96.6g	Charging time	2 hours	Email	sbangesales1@naver.com
Color	White, Purple	Battery run time	4 hours	Phone	+82-53-716-5355
Material	ABS	Functions	Shoe care, Fragrant Sterilization	Homepage	www.sbange.com
Power consumption	1W	Quality assurance period	1 year		
Battery	1,200mAh				



**ShoeB**

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-Thank you-