

KOREA ORIGIN **BABY & FAMILY CARE PRODUCT**





- Family total skin care, leading comprehensive skin care and hygiene products, is a total care brand for children and families.
- “LU'SOB” is a compound word derived from **Lovely so beautiful** which expresses a lovely image and a beautiful image.

KOREA ORIGIN HAIR & FAMILY CARE COSMETICS

Lu'sob

Lovely So Beautiful



Dongbang B&H Co., Ltd.



HAIR & Body CARE SERIES

English Version

- 1. Refreshing Moist Shampoo**
- 2. Refreshing Moist Conditioner**
- 3. Refreshing Moist Body Wash**
- 4. Refreshing Moist Facial Cleanser**
- 5. Clean Liquid Hand Wash**
- 6. Clean Hand Foaming Wash**
- 7. Clean Hand Sanitizer Gel**

SPECIFICATION

SELLING POINT

IMAGE



No worry about powerless hair
"Hair health volume shampoo"

#Hair health #Hair volume #Scalp health

1. Helps hair health with high nutritional herbal extracts

Herbal Extract (Ginseng Extract, Tang Dang Ear Extract, Danseng Root Extract, Woosul Extract, Ginger Extract, Gosam Root Extract to help make healthy scalp and hair root)

2. Help with a rich sense of volume

D-panthenol to soften and moisturize the volume by alleviating the damage that may occur when drying the hair

3. Hypoallergenic scalp cleaning power and rich foam

Pleasant shampoo time with mild cleaning power and rich foam with palm-derived lauramine oxide

4. Economical cost ratio products

Soft feeling + Helps hair health + Hair volume + Scalp health,
Excellent cost-performance ratio compared to commercial products
(* Price ratio: consumption form that emphasizes price and psychological satisfaction)

5. 7 Free

(Polyacrylamide, paraben, MIT / CMIT, tar color, triethanolamine, mineral oil, dibutylhydroxytoluene)
Products that can be safely used by excluding sensitive ingredients

Volume	500ml	SKU	2
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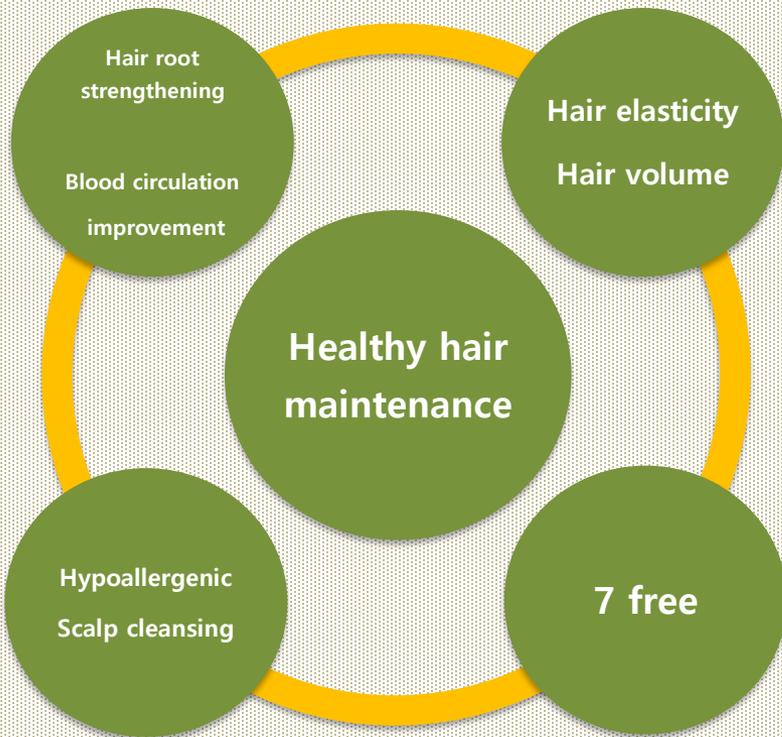
Hair strengthen solution

"Hair moisturizing shampoo"

#Hair root strengthening

#Hair volume

#Scalp care



High nutrition herb extract

Herbal extracts that help improve blood circulation and strengthen hair follicles make your scalp and hair follicles healthy

Hair elasticity & volume

Contains D-Panthenol to prevent heat damage and help moisten hair and rich volume

Hypoallergenic scalp cleansing

Palm-derived surfactant lauramine oxide helps mild cleansing

Healthy scalp and hair care

No additives for 7 sensitive ingredients
Daily care that the whole family can use with confidence

Recommended for

- ✓ When the scalp feels dry and itchy
- ✓ When scalp oil is not regulated

<p>Name</p>	<p>Zingiber Officinale (Ginger) Root Extract, Angelica Gigas Root Extract, Sophora Flavescens Root Extract, Salvia Miltiorrhiza Root Extract, Achyranthes Bidentata Root Extract</p>
<p>Function</p>	<p>Hair conditioning, Skin conditioning/ Chemical Source: Plant</p>
<p>Reference</p>	<div data-bbox="249 646 1033 1160" data-label="Image"> </div> <ul data-bbox="1074 544 1831 1272" style="list-style-type: none"> • Ginseng-Ginseng is classified as the best medicine because it has 7 effects since ancient times • It is effective in antioxidant skin and collagen synthesis, making skin elastic. • True Angelica-Helps improve blood circulation and promotes blood circulation in the scalp • Dansam – Rich in tancinone, helps blood circulation, helps inhibit oxidative effects of waste products, and helps vascular health. • Ginger – Maintain healthy scalp by antibacterial action and blood circulation improvement • Ginseng-This is a medicine that helps increase blood flow and suppress skin fungi. It helps improve blood circulation and cleanliness of the scalp and helps the health of hair and hair roots.

Name	Panthenol
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Function	Skin moisturizing, softening, hair moisturizing, damage care/synthetic
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Reference	<p>Efficacy of dexpanthenol in anti-inflammatory and wound healing ointments</p> <div data-bbox="324 545 840 745" data-label="Diagram"> </div> <div data-bbox="1120 521 1767 706" data-label="List-Group"> <ol style="list-style-type: none"> 1. Wound healing, promoting skin cell growth 2. Penetrates the hair cortex, strengthens the hair shaft 3. Enhances keratin flexibility </div> <div data-bbox="1101 728 1845 1135" data-label="Text"> <p>It can be seen that epithelial factors are very effective depending on the concentration of Panthenol, so it is very effective for wound healing D-Panthenol (Pro Vitamin B5) Hair Conditioning Effect, Skin Conditioning Effect / Chemical Source: Synthetic</p> </div> <div data-bbox="247 835 1033 1278" data-label="Figure"> <table border="1"> <caption>Wound healing-/Epithelisation factor vs D-Panthenol concentration</caption> <thead> <tr> <th>D-Panthenol in W/O-Cream</th> <th>Wound healing-/Epithelisation factor</th> </tr> </thead> <tbody> <tr> <td>Placebo</td> <td>1.00</td> </tr> <tr> <td>0.1%</td> <td>1.03</td> </tr> <tr> <td>0.3%</td> <td>1.07</td> </tr> <tr> <td>0.6%</td> <td>1.29</td> </tr> <tr> <td>1.0%</td> <td>1.33</td> </tr> <tr> <td>2.5%</td> <td>1.37</td> </tr> </tbody> </table> </div> <div data-bbox="247 1278 898 1349" data-label="Caption"> <p>Fig. 1: Wound treatment with different D-Panthenol concentrations</p> </div> <div data-bbox="1188 1135 1758 1342" data-label="Text"> <p>Soothing skin damaged from external stress</p> </div>	D-Panthenol in W/O-Cream	Wound healing-/Epithelisation factor	Placebo	1.00	0.1%	1.03	0.3%	1.07	0.6%	1.29	1.0%	1.33	2.5%	1.37
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PRODUCT

Refreshing Moist Shampoo

4. INGREDIENT

NO.	INCI NAME	中文成分名(중문성분명)	INCI NAME(국문)	FUNCTION
1	Water	水	정제수	Solvent
2	Sodium Laureth Sulfate	月桂醇聚醚硫酸酯钠	소듐라우레스설페이트	Surfactant
3	Cocamidopropyl Betaine	椰油酰胺丙基甜菜碱	코카미도프로필베타인	Surfactant
4	Cocamide DEA	椰油酰胺 DEA	코카마이드디에이	Surfactant
5	Dimethicone	聚二甲基硅氧烷	다이메티콘	Skin-Conditioning Agent
6	Glycol Distearate	乙二醇二硬脂酸酯	글라이콜다이스테아레이트	Surfactant
7	Sodium Chloride	氯化钠	소듐클로라이드	Viscosity Increasing Agent
8	Lauramine Oxide	月桂基胺氧化物	라우라민옥사이드	Surfactant
9	Fragrance	(日用)香精	향료	Fragrance
10	Guar Hydroxypropyltrimonium Chloride	瓜儿胶羟丙基三甲基氯化铵	구아하이드록시프로필트라이모늄클로라이드	Hair-Conditioning Agent
11	Citric Acid	柠檬酸	시트릭애씨드	pH Adjusters
12	Phenoxyethanol	苯氧乙醇	페녹시에탄올	Preservative
13	Cetearyl Alcohol	鲸蜡硬脂醇	세테아릴알코올	Viscosity Increasing Agent
14	Chlorphenesin	氯苯甘醚	클로페네신	Preservative
15	Polyquaternium-10	聚季铵盐-10	폴리쿼터늄-10	Hair-Conditioning Agent
16	Disodium EDTA	EDTA 二钠	다이소듐이디티에이	Chelating Agent
17	Sodium Hydroxide	氢氧化钠	소듐하이드록사이드	pH Adjusters
18	C12-15 Pareth-3	C12-15 链烷醇聚醚-3	C12-15파레스-3	Surfactant
19	Salicylic Acid	水杨酸	살리실릭애씨드	Skin-Conditioning Agent
20	Sodium Acetate	乙酸钠	소듐아세테이트	Bulking Agent
21	Butylene Glycol	丁二醇	부틸렌글라이콜	Humectant
22	Hydrolyzed Keratin	水解角蛋白	하이드롤라이즈드케라틴	Skin-Conditioning Agent
23	Panthenol	泛醇	판테놀	Skin-Conditioning Agent
24	Oryza Sativa (Rice) Bran Oil	稻 (ORYZA SATIVA) 糠油	쌀겨오일	Skin-Conditioning Agent
25	Schizophyllan	裂褶菌素	시조필란	Skin-Conditioning Agent
26	Angelica Gigas Root Extract	朝鲜当归 (ANGELICA GIGAS) 根提取物	참당귀뿌리추출물	Skin-Conditioning Agent
27	Panax Ginseng Root Extract	人参 (PANAX GINSENG) 根提取物	인삼추출물	Skin-Conditioning Agent
28	Zingiber Officinale (Ginger) Root Extract	姜 (ZINGIBER OFFICINALE) 根提取物	생강추출물	Skin-Conditioning Agent
29	Sophora Flavescens Root Extract	苦参 (SOPHORA FLAVESCENS) 根提取物	고삼뿌리추출물	Skin-Conditioning Agent
30	Achyranthes Bidentata Root Extract	牛膝 (ACHYRANTHES BIDENTATA) 提取物	우슬추출물	Skin-Conditioning Agent
31	Salvia Miltiorrhiza Root Extract	丹参 (SALVIA MILTIORRHIZA) 根提取物	단삼뿌리추출물	Skin-Conditioning Agent
32	Crocus Sativus Flower Extract	番红花 (CROCUS SATIVUS) 花提取物	샤프란꽃추출물	Skin-Conditioning Agent

SPECIFICATION

SELLING POINT

IMAGE



Maintain silk-like hair with rich nutrition
 "Damage care conditioner"

#Awesome! #5 Honey #5 Protein

1. 5 kinds of honey extract

(Self-run honey, acacia honey, pear honey, rapeseed honey, oak honey)
 It is a honey extract made by mixing different honeys. It is rich in vitamins and proteins to help moisturize and supply hair.

2. Five protein complexes

(Hydrolyzed wheat protein, soy protein, corn protein, collagen, keratin)

3. Oil layering effect

(Camellia oil + green tea seed oil + castor oil)
 Layer the oil on the protein to form a shiny and oil coated film,
 Helps preserve active ingredients

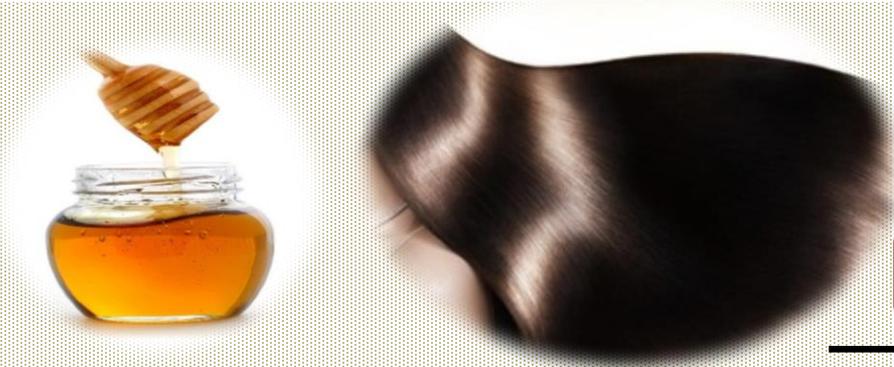
4. Economical cost ratio products

7 no additives + moist feeling + protein care,
 Excellent cost-performance ratio compared to commercial products
 (* Price ratio: consumption form that emphasizes price and psychological satisfaction)

5. 7 Free (polyacrylamide, paraben, MIT / CMIT, tar color, triethanolamine, mineral oil, dibutylhydroxytoluene)

Products that can be safely used by excluding sensitive ingredients

Volume	500ml	SKU	1
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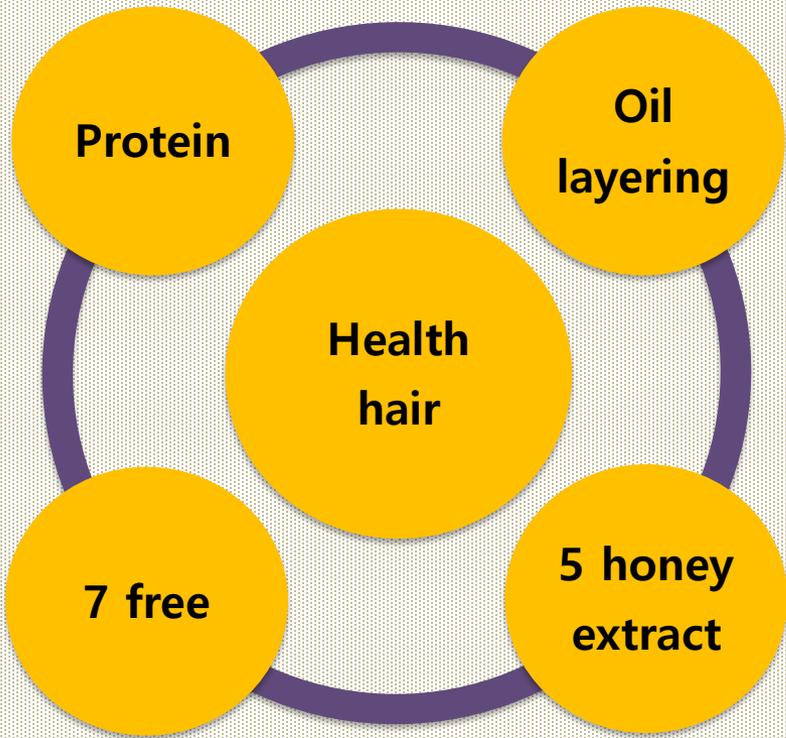


Damage care conditioner

#Home Salon Care

#Hair shine

#Moist hair



Protein care

Contains 5 kinds of protein, and gives plenty of protein to broken and cracked hair

5 Honey Complex

Honey extract rich in vitamins and minerals moisturizes rough hair

* Refer to 5 Honey Complex

Luster

Contains castor oil, camellia oil, and green tea seed oil to provide oily hair

Refer to * K-Oleo

Healthy scalp and hair care

Daily care that can be used safely by the whole family by adding no 7 sensitive ingredients

Recommended for

- Fluffy hair with frequent styling
- When you don't have time to care for a busy day
- When quick-nourishing is required

<p>Name</p>	<p>Ricinus Communis (Castor) Seed Oil, Camellia Sinensis Seed Oil, Camellia Japonica seed Extract, Camellia Japonica Flower Extract</p>
<p>Function</p>	<p>Hair conditioning, hair builder, hair polisher, skin conditioning/ Castor, green tea, green tea seed, camellia flower, camellia flower seed</p>

Reference

K-Oleo (3 oil coating ingredient) hair tension test

Time power

Treatment	Time (s)
Control	~50
K-Oleo	~60

length

Treatment	Distance (mm)
Control	~25
K-Oleo	~30

Tensile energy (g)

Treatment	Tensile energy (g)
Control	~95
K-Oleo	~118

Summary:

- Tensile time increased by about 20% after K-Cleo treatment
- Tensile length increased by about 20% after K-Cleo treatment
- Tensile strength increased by about 18% after K-Cleo treatment

K-Oleo used hair
Increases tensile time,
length, power

Improved with elastic
and healthy hair

Name	Honey Extract
Function	Hair conditioning, skin conditioning/ Honey from native honey, acacia honey, pear honey, rapeseed honey, and oak honey

Reference

2) Nutrition of honey

Main content	Proportion(%)
moisture	17.2
sugars	75.59
Exaggeration	38.19
glucose	31.28
saccharose	1.31
2 sugars	7.31
Consolation	1.5
protein	0.26
Ash	0.17
Trace ingredients	2.21

Main content	Proportion(in 100g)	Main content	Proportion(mg/1000g)
Vitamin B2	61γ	iron	2.4
Vitamin B6	299γ	Copper	0.29
Vitamin C	2.4γ	manganese	0.3
Folic acid	25γ	sign	35
Nicotinic acid	3γ	sulfur	58
Pantothenic acid	0.1γ	potassium	205
Vitamin K	115γ	Goat	52
qkdldhxls	0.066γ	salt	76
Colin	1.5mg	silicon	8.9
		magnesium	1.9
		Silicic acid	22

Content
Vitamin & mineral

Honey that was Cleopatra's bath material, Excellent ability to retain moisture and rich in minerals and vitamins



Moist and beautiful skin, Make hair healthy

PRODUCT

Refreshing Moist Shampoo

4. INGREDIENT

NO.	INCI NAME	中文成分名(중문성분명)	INCI NAME(국문)	FUNCTION
1	Water	水	정제수	Solvent
2	Cetearyl Alcohol	鲸蜡硬脂醇	세테아릴알코올	Viscosity Increasing Agent
3	Steartrimonium Chloride	硬脂基三甲基氯化铵	스테아트라이모늄클로라이드	Hair-Conditioning Agent
4	Propylene Glycol	丙二醇	프로필렌글라이콜	Humectant
5	Cyclopentasiloxane	环五聚二甲基硅氧烷	사이클로펜타실록세인	Skin-Conditioning Agent
6	Dipropylene Glycol	双丙甘醇	다이프로필렌글라이콜	Skin-Conditioning Agent
7	Dimethicone	聚二甲基硅氧烷	다이메티콘	Skin-Conditioning Agent
8	Behentrimonium Chloride	山嵛基三甲基氯化铵	베헨트라이모늄클로라이드	Hair-Conditioning Agent
9	Fragrance	(日用)香精	향료	Fragrance
10	Isopropyl Alcohol	异丙醇	아이스프로필알코올	Solvent
11	Phenoxyethanol	苯氧乙醇	페녹시에탄올	Preservative
12	Hydroxyethylcellulose	羟乙基纤维素	하이드록시에틸셀룰로오스	Solvent
13	Chlorphenesin	氯苯甘醚	클로페네신	Preservative
14	Glyceryl Stearate	甘油硬脂酸酯	글리세릴스테아레이트	Viscosity Increasing Agent
15	PEG-100 Stearate	PEG-100 硬脂酸酯	피이지-100스테아레이트	Viscosity Increasing Agent
16	Disodium EDTA	EDTA 二钠	다이소듐이디티에이	Chelating Agent
17	Cocamidopropyl Betaine	椰油酰胺丙基甜菜碱	코카미도프로필베타인	Surfactant
18	Sodium Hydroxide	氢氧化钠	소듐하이드록사이드	pH Adjusters
19	Guar Hydroxypropyltrimonium Chloride	瓜儿胶羟丙基三甲基氯化铵	구아하이드록시프로필트라이모늄클로라이드	Hair-Conditioning Agent
20	C12-15 Pareth-3	C12-15 链烷醇聚醚-3	C12-15파레스-3	Surfactant
21	Citric Acid	柠檬酸	시트릭애씨드	pH Adjusters
22	Salicylic Acid	水杨酸	살리실릭애씨드	Skin-Conditioning Agent
23	Betaine	甜菜碱	베타인	Humectant
24	Macadamia Ternifolia Seed Oil	澳洲坚果 (MACADAMIA TERNIFOLIA) 籽油	마카다미아씨오일	Skin-Conditioning Agent
25	Ricinus Communis (Castor) Seed Oil	蓖麻 (RICINUS COMMUNIS) 籽油	피마자씨오일	Skin-Conditioning Agent
26	Butylene Glycol	丁二醇	부틸렌글라이콜	Humectant
27	Hydrolyzed Collagen	水解胶原	하이드롤라이즈드콜라겐	Skin-Conditioning Agent
28	Hydrolyzed Keratin	水解角蛋白	하이드롤라이즈드케라틴	Skin-Conditioning Agent
29	Gelatin	明胶	젤라틴	Skin-Conditioning Agent
30	Crocus Sativus Flower Extract	番红花 (CROCUS SATIVUS) 花提取物	사프란꽃추출물	Skin-Conditioning Agent
31	Camellia Japonica Seed Oil	山茶 (CAMELLIA JAPONICA) 籽油	동백나무씨오일	Skin-Conditioning Agent
32	Camellia Sinensis Seed Oil	茶 (CAMELLIA SINENSIS) 籽油	녹차씨오일	Skin-Conditioning Agent
33	1,2-Hexanediol	1,2-己二醇	1,2-헥산다이올	Skin-Conditioning Agent
34	Avena Sativa (Oat) Protein Extract	燕麦 (AVENA SATIVA) 蛋白提取物	귀리단백질추출물	Skin-Conditioning Agent
35	Camellia Japonica Seed Extract	山茶 (CAMELLIA JAPONICA) 籽提取物	동백나무씨추출물	Skin-Conditioning Agent
36	Camellia Japonica Flower Extract	山茶 (CAMELLIA JAPONICA) 花提取物	동백나무꽃추출물	Skin-Conditioning Agent
37	Hydrolyzed Soy Protein	水解大豆蛋白	하이드롤라이즈드콩단백질	Skin-Conditioning Agent
38	Hydrolyzed Corn Protein	水解玉米蛋白	하이드롤라이즈드옥수수단백질	Skin-Conditioning Agent
39	Hydrolyzed Wheat Protein	水解小麦蛋白	하이드롤라이즈드밀단백질	Skin-Conditioning Agent
40	Ethyl Hexanediol	乙基己二醇	에틸헥산다이올	Skin-Conditioning Agent
41	Honey Extract	蜂蜜提取物	꿀추출물	Skin-Conditioning Agent

SPECIFICATION

SELLING POINT

IMAGE



To rinse out the fatigue of the day
"Fresh Body Wash"

Fresh daily mint spa

1. Mint3 extract – refreshing feeling

Mint extract, the raw material of menthol, contains a cool feeling and Helps relieve mind and body fatigue (Peppermint, watermint, apple mint leaf extract)

2. Refresh your body

Fruity & Musk scents help rejuvenate comfort and vitality during shower

3. Defense against external stress

Contains panthenol (vitamin derivative) to help care for various external stresses

4. Economical cost ratio products

7 No additives + Refreshing feeling + Daily spa function,
Excellent cost-performance ratio compared to commercial products
(* Price ratio: consumption form that emphasizes price and psychological satisfaction)

5. 7 Free

(Polyacrylamide, paraben, MIT / CMIT, tar color, triethanolamine, mineral oil, dibutylhydroxytoluene)

Products that can be safely used by excluding sensitive ingredients

Volume	500ml	SKU	1
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"Fresh Body Wash"

#Soft foam

#Vitamin

#Fresh feeling

Recover by mint

Feeling like every day spa

Mint Complex's skin cleansing and skin protection effect

The fruity & musk fragrance is juicy & soft for a soft and comfortable feel

Vitamin nutrition

Healthy skin & hair care

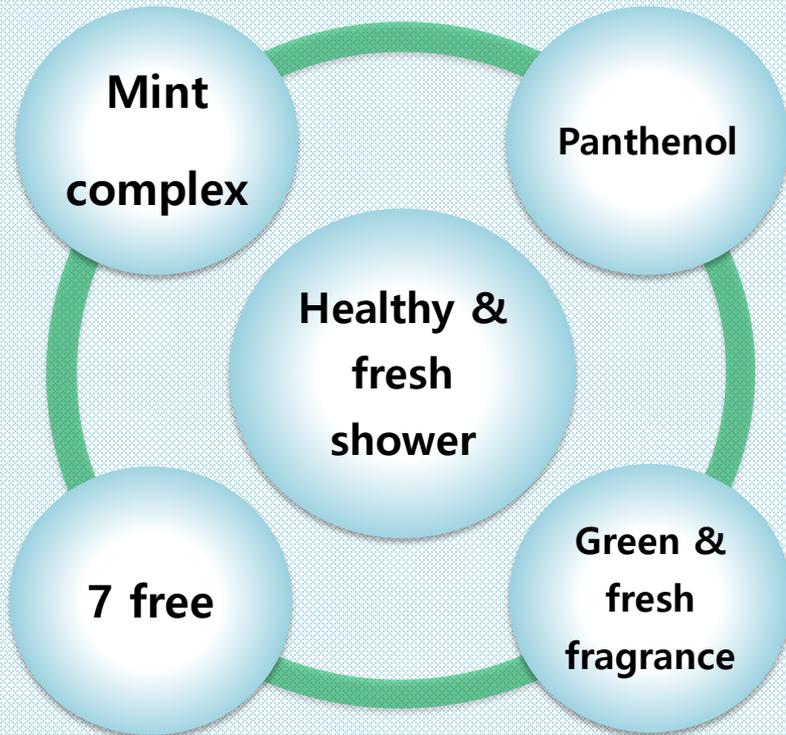
D-Panthenol, which is effective for anti-inflammatory and wound healing, protects skin texture from external stress

Daily care that can be used safely by the whole family by adding no 7 sensitive ingredients

* Refer to D-Panthenol

Recommended for

- ✓ If you want a refreshing feeling like a spa
- ✓ For those who want a soft, rich foam shower
- ✓ Those who want to relieve the stress of the day
- ✓ Those who want refreshment after exercise



Name	D-Panthenol (pro Vitamin B5)
Function	Hair conditioning, skin conditioning/ Chemical Source: Synthetic

Reference	<p>Efficacy of dexpanthenol in anti-inflammatory and wound healing ointments</p> <div data-bbox="357 528 869 728"> </div> <div data-bbox="1110 499 1767 692"> <ol style="list-style-type: none"> 1. Wound healing, promoting skin cell growth 2. Penetrates the hair cortex, strengthens the hair shaft 3. Enhances keratin flexibility </div> <div data-bbox="1091 714 1845 1113" style="border: 1px solid black; padding: 5px;"> <p>It can be seen that epithelial factors are very effective depending on the concentration of Panthenol, so it is very effective for wound healing D-Panthenol (Pro Vitamin B5) Hair Conditioning Effect, Skin Conditioning Effect / Chemical Source: Synthetic</p> </div> <div data-bbox="1188 1192 1758 1299" style="background-color: yellow; padding: 5px; text-align: center;"> <p>Soothing skin damaged from external stress</p> </div> <div data-bbox="251 835 1043 1278"> <table border="1"> <caption>Wound healing-/Epithelisation factor</caption> <thead> <tr> <th>D-Panthenol in W/O-Cream</th> <th>Wound healing-/Epithelisation factor</th> </tr> </thead> <tbody> <tr> <td>Placebo</td> <td>1.00</td> </tr> <tr> <td>0.1%</td> <td>1.03</td> </tr> <tr> <td>0.3%</td> <td>1.07</td> </tr> <tr> <td>0.6%</td> <td>1.29</td> </tr> <tr> <td>1.0%</td> <td>1.33</td> </tr> <tr> <td>2.5%</td> <td>1.37</td> </tr> </tbody> </table> </div> <p>Fig. 1: Wound treatment with different D-Panthenol concentrations</p>	D-Panthenol in W/O-Cream	Wound healing-/Epithelisation factor	Placebo	1.00	0.1%	1.03	0.3%	1.07	0.6%	1.29	1.0%	1.33	2.5%	1.37
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Name	Mentha Rotundifolia Leaf Extract
Function	Skin conditioning/ apple mint leaf

Reference	<p>Antioxidant and antibacterial activity of apple mint</p> <ul style="list-style-type: none"> <p>Antioxidant</p> <p>Antioxidant activities of Tunisian <i>M. rotundifolia</i> essential oils extracted from leaves. Values are given as mean \pm SD ($n = 3$). Means in each column followed by different letters are significantly different ($P < 0.05$); EO: essential oil.</p> <table border="1"> <thead> <tr> <th>Locality</th> <th>DPPH (IC₅₀, μg/ml)</th> <th>FRAP (μmol Fe²⁺/g EO)</th> </tr> </thead> <tbody> <tr> <td>Bizerte</td> <td>26.11 \pm 1.04^a</td> <td>390.91 \pm 4.01^b</td> </tr> <tr> <td>Beja</td> <td>29.52 \pm 1.31^b</td> <td>330.46 \pm 3.18^a</td> </tr> </tbody> </table> <p>Antibacterial activity</p> <p>Antimicrobial activity expressed as diameter of inhibition (mm), minimum inhibitory concentration MIC (as % v/v) and minimum bactericidal concentration MBC (as % v/v) of <i>M. rotundifolia</i> L. essential oils.</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">Diameter of inhibition</th> <th colspan="2">MIC</th> <th colspan="2">MBC</th> </tr> <tr> <th>Bizerte</th> <th>Beja</th> <th>Bizerte</th> <th>Beja</th> <th>Bizerte</th> <th>Beja</th> </tr> </thead> <tbody> <tr> <td>Bacteria Gram+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>Escherichia coli</i></td> <td>34 \pm 0.5</td> <td>33 \pm 0.5</td> <td>0.025</td> <td>0.05</td> <td>0.05</td> <td>0.1</td> </tr> <tr> <td><i>Salmonella typhimurium</i></td> <td>31 \pm 1</td> <td>30 \pm 0.5</td> <td>0.05</td> <td>0.1</td> <td>0.1</td> <td>0.2</td> </tr> <tr> <td>Bacteria Gram-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>Staphylococcus aureus</i></td> <td>24 \pm 0.5</td> <td>24 \pm 1.1</td> <td>0.1</td> <td>0.1</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td><i>Bacillus cereus</i></td> <td>23 \pm 1.1</td> <td>22 \pm 0.5</td> <td>0.2</td> <td>0.4</td> <td>0.4</td> <td>0.8</td> </tr> <tr> <td>Fungi</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><i>Aspergillus niger</i></td> <td>23 \pm 0.5</td> <td>22 \pm 1</td> <td>0.4</td> <td>0.4</td> <td>0.8</td> <td>0.8</td> </tr> <tr> <td><i>Candida albicans</i></td> <td>21 \pm 1</td> <td>20 \pm 0.5</td> <td>0.8</td> <td>0.8</td> <td>1.6</td> <td>1.6</td> </tr> </tbody> </table> 	Locality	DPPH (IC ₅₀ , μ g/ml)	FRAP (μ mol Fe ²⁺ /g EO)	Bizerte	26.11 \pm 1.04 ^a	390.91 \pm 4.01 ^b	Beja	29.52 \pm 1.31 ^b	330.46 \pm 3.18 ^a		Diameter of inhibition		MIC		MBC		Bizerte	Beja	Bizerte	Beja	Bizerte	Beja	Bacteria Gram+							<i>Escherichia coli</i>	34 \pm 0.5	33 \pm 0.5	0.025	0.05	0.05	0.1	<i>Salmonella typhimurium</i>	31 \pm 1	30 \pm 0.5	0.05	0.1	0.1	0.2	Bacteria Gram-							<i>Staphylococcus aureus</i>	24 \pm 0.5	24 \pm 1.1	0.1	0.1	0.2	0.2	<i>Bacillus cereus</i>	23 \pm 1.1	22 \pm 0.5	0.2	0.4	0.4	0.8	Fungi							<i>Aspergillus niger</i>	23 \pm 0.5	22 \pm 1	0.4	0.4	0.8	0.8	<i>Candida albicans</i>	21 \pm 1	20 \pm 0.5	0.8	0.8	1.6	1.6
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Antioxidant and antibacterial activity



Helps to recover skin from fatigue, prevent aging, and protect against harmful bacteria

PRODUCT

Refreshing Moist Body Wash

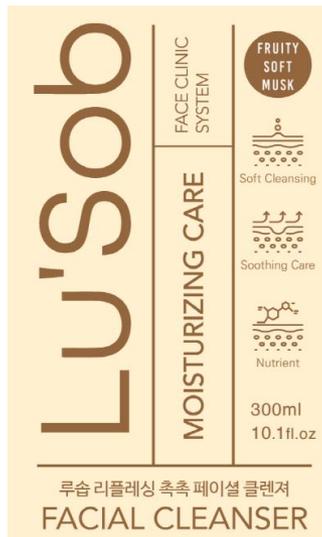
4. INGREDIENT

NO.	INCI NAME	中文成分名 (중문성분명)	INCI NAME (국문)	FUNCTION
1	Water	水	정제수	Solvent
2	Sodium Laureth Sulfate	鲸蜡硬脂醇	소듐라우레스설페이트	Surfactant
3	Ammonium Lauryl Sulfate	硬脂基三甲基氯化铵	암모늄라우릴설페이트	Surfactant
4	Cocamide DEA	丙二醇	코카마이드디에이	Surfactant
5	Cocamidopropyl Betaine	环五聚二甲基硅氧烷	코카미도프로필베타인	Surfactant
6	Sodium Chloride	双丙甘醇	소듐클로라이드	Viscosity Increasing Agent
7	Lauramine Oxide	聚二甲基硅氧烷	라우라민옥사이드	Surfactant
8	Fragrance	山崩基三甲基氯化铵	향료	Fragrance
9	Glycol Distearate	(日用)香精	글라이콜다이스테아레이트	Surfactant
10	Citric Acid	异丙醇	시트릭에씨드	pH Adjusters
11	Phenoxyethanol	苯氧乙醇	페녹시에탄올	Preservative
12	Cetearyl Alcohol	羟乙基纤维素	세테아릴알코올	Viscosity Increasing Agent
13	Guar Hydroxypropyltrimonium Chloride	氯苯甘醚	구아하이드록시프로필트라이모늄클로라이드	Hair-Conditioning Agent
14	Chlorphenesin	甘油硬脂酸酯	클로페네신	Preservative
15	Disodium EDTA	PEG-100 硬脂酸酯	다이소듐이디티에이	Chelating Agent
16	Polyquaternium-10	EDTA 二钠	폴리쿼터늄-10	Hair-Conditioning Agent
17	Sodium Benzoate	椰油酰胺丙基甜菜碱	소듐벤조에이트	Preservative
18	Sodium Acetate	氢氧化钠	소듐아세테이트	Bulking Agent
19	Panthenol	瓜儿胶羟丙基三甲基氯化铵	판테놀	Skin-Conditioning Agent
20	Oryza Sativa (Rice) Bran Oil	C12-15 链烷醇聚醚-3	쌀겨오일	Skin-Conditioning Agent
21	Schizophyllan	柠檬酸	시조필란	Skin-Conditioning Agent
22	Betaine	水杨酸	베타인	Humectant
23	Macadamia Ternifolia Seed Oil	甜菜碱	마카다미아씨오일	Skin-Conditioning Agent
24	Butylene Glycol	澳洲坚果 (MACADAMIA TERNIFOLIA) 籽油	부틸렌글라이콜	Humectant
25	Sodium PCA	蓖麻 (RICINUS COMMUNIS) 籽油	소듐피씨에이	Humectant
26	Crocus Sativus Flower Extract	丁二醇	샤프란꽃추출물	Skin-Conditioning Agent
27	Mentha Piperita (Peppermint) Leaf Extract	水解胶原	페퍼민트잎추출물	Skin-Conditioning Agent
28	Mentha Rotundifolia Leaf Extract	水解角蛋白	애플민트잎추출물	Skin-Conditioning Agent
29	Mentha Aquatica Leaf Extract	明胶	워터민트잎추출물	Skin-Conditioning Agent

SPECIFICATION

SELLING POINT

IMAGE



Clean face to protect skin health
 “Refreshing moisture facial cleanser”

#Closing day #Facial waste #Easy cleaning

1. Clean and fresh facial cleanser

In addition to the makeup accumulated during the day, the wastes are thoroughly cleaned with water
 Care for pores

2. Helps skin damage, recovery and cleaning

Green tea extract, famous for making the skin young, clear and elastic, is damaged by UV rays.
 Cares for the skin and protects it from external contamination

3. Weak acid cleansing considering skin health

A mildly acidic cleanser with a pH of 4 to 6 cares for the skin
 Good cleansing for healthy skin condition

4. Contains moist natto gum

Rich in dietary fiber and catalase,
 Nourishes tired and dry skin and helps make it healthy and shiny

5. Economical cost-effective products

7 No additives + Easy cleansing + Good ingredients and good function,
 Excellent cost-performance ratio compared to commercial products
 (* Price ratio: consumption form that emphasizes price and psychological satisfaction)

6. 7 additive-free (polyacrylamide, paraben, MIT / CMIT, tar color, triethanolamine, mineral oil, dibutylhydroxytoluene) Products that can be used safely by excluding sensitive ingredients

Volume

300ml

SKU

1



The wastes accumulated on your face
"Clean Facial Cleanser"

#Refreshing
cleansing

#Rich
moisture

#Weak acid pH

Cleaning waste

Natto gum

This is an annular combination of
micellar structures that wipes
away waste and contaminants.

Rich in dietary fiber and
moisturizing properties due to
its sticky viscosity

Sebum, keratin management

For healthy cleansing

BioDTox cleanses pores
and sebum

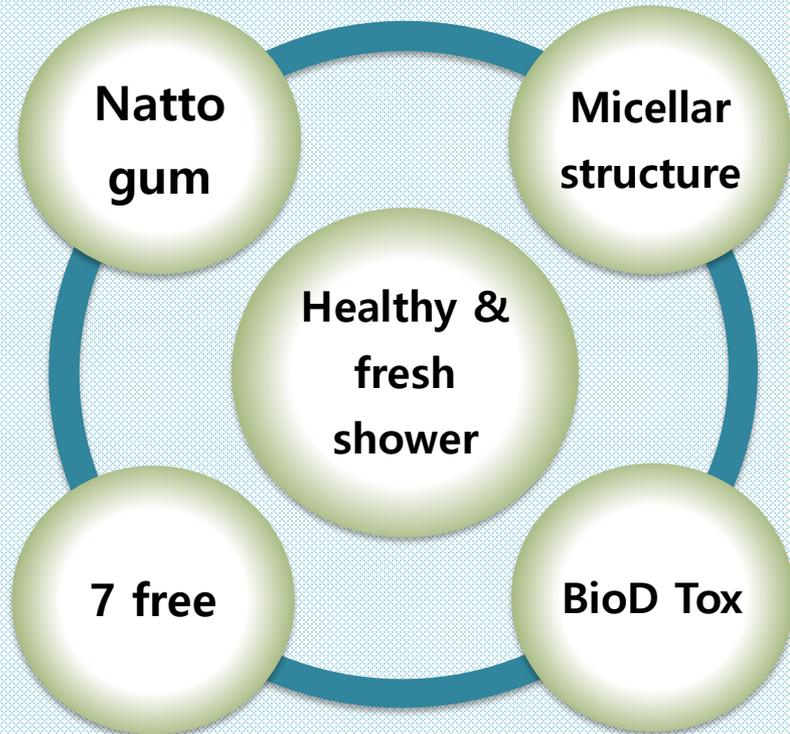
No additives for 7
sensitive ingredients
Carefully selected
ingredients

Refer to * BioDTox

Recommended for



- After cleansing, makeup is stuck on the skin
- People who need pores and keratin care
- Those who use sun cream



PRODUCT

Refreshing Moist Facial Cleanser

3. EFFICACY

Name	Aloe Ferox Leaf Extract, Bioflavonoids, Brassica Oleracea Italica (Broccoli) Extract
Function	Skin conditioning/ Chemical Source: Plant- Aloe, orange, broccoli

Reference

Test report

Pore cleaning, sebum control

The figure consists of a bar chart and two microscopy images. The bar chart shows the 'Score of pore cleanliness (0~4)' on the y-axis, ranging from 0 to 2.5. The 'Before' bar is grey and has a mean score of approximately 1.9. The '20 minutes' bar is orange and has a mean score of approximately 1.4, with a red asterisk above it indicating statistical significance. To the right of the chart are two microscopy images labeled 'Before' and 'After', showing a reduction in brownish debris within the pores after treatment.

Treatment	Score of pore cleanliness (Mean SEM)
Before	~1.9
20 minutes	~1.4*

Changes of pore cleanliness by photo grading following application of the test product (Mean SEM. * $p < 0.005$ vs. before treatment)

Compared to the previous treatment, the degree of pore cleaning improved significantly after 20 minutes after treatment (25%)

PRODUCT

Refreshing Moist Facial Cleanser

3. EFFICACY

Name	Aloe Ferox Leaf Extract, Bioflavonoids, Brassica Oleracea Italica (Broccoli) Extract
Function	Skin conditioning / Chemical Source: Plant- Aloe, orange, broccoli

Reference

Experience report

Skin keratin cleaning

Time	Skin scale (pixel/10 ⁴)
Before	20
20 minutes	13*

Changes of skin scale following application of the test product (Mean SEM. * p<0.005 vs. before treatment)

Decreased the keratin by 35%

PRODUCT

Refreshing Moist Facial Cleanser

4. INGREDIENT

NO.	INCI NAME	中文成分名(중문성분명)	INCI NAME(국문)	FUNCTION
1	Water	水	정제수	Solvent
2	Sodium Laureth Sulfate	月桂醇聚醚硫酸酯钠	소듐라우레스설페이트	Surfactant
3	Glycerin	甘油	글리세린	Humectant
4	Potassium Cocoyl Glycinate	椰油酰甘氨酸钾	포타슘코코일글리시네이트	Surfactant
5	Cocamide DEA	椰油酰胺 DEA	코카마이드디이에이	Surfactant
6	Disodium Cocoamphodiacetate	椰油酰两性基二乙酸二钠	다이소듐코코암포다이아세테이트	Surfactant
7	Sodium Chloride	氯化钠	소듐클로라이드	Viscosity Increasing Agent
8	Polysorbate 80	聚山梨醇酯-80	폴리솔베이트80	Surfactant
9	Dipropylene Glycol	双丙甘醇	다이프로필렌글라이콜	Skin-Conditioning Agent
10	Cocamidopropyl Betaine	椰油酰胺丙基甜菜碱	코카미도프로필베타인	Surfactant
11	Citric Acid	柠檬酸	시트릭애씨드	pH Adjusters
12	Lauramine Oxide	月桂基胺氧化物	라우라민옥사이드	Surfactant
13	Fragrance	(日用)香精	향료	Fragrance
14	Phenoxyethanol	苯氧乙醇	페녹시에탄올	Preservative
15	Chlorphenesin	氯苯甘醚	클로페네신	Preservative
16	Disodium EDTA	EDTA 二钠	다이소듐이디티에이	Chelating Agent
17	Propanediol	1,3-丙二醇	프로판다이올	Skin-Conditioning Agent
18	Betaine	甜菜碱	베타인	Humectant
19	Oryza Sativa (Rice) Bran Oil	稻 (ORYZA SATIVA) 糠油	쌀겨오일	Skin-Conditioning Agent
20	Schizophyllan	裂褶菌素	시조필란	Skin-Conditioning Agent
21	Urea	尿素	우레아	Skin-Conditioning Agent
22	Hydrolyzed Elastin	水解弹性蛋白	하이드롤라이즈드엘라스틴	Skin-Conditioning Agent
23	Butylene Glycol	丁二醇	부틸렌글라이콜	Humectant
24	Sodium PCA	PCA 钠	소듐피씨에이	Humectant
25	Aloe Ferox Leaf Extract	好望角芦荟 (ALOE FEROX) 叶提取物	케이프알로에잎추출물	Skin-Conditioning Agent
26	Bioflavonoids	生物类黄酮	바이오플라보노이드	Skin-Conditioning Agent
27	Crocus Sativus Flower Extract	番红花 (CROCUS SATIVUS) 花提取物	샤프란꽃추출물	Skin-Conditioning Agent
28	1,2-Hexanediol	1,2-己二醇	1,2-헥산다이올	Skin-Conditioning Agent
29	Brassica Oleracea Italica (Broccoli) Extract	意大利甘蓝 (BRASSICA OLERACEA ITALICA) 提取物	브로콜리추출물	Skin-Conditioning Agent
30	Natto Gum	纳托胶	낫토검	Skin-Conditioning Agent

PRODUCT SPEC

PRODUCT SELLING POINT

IMAGE



Clean and healthy habits
"Clean Liquid Hand Wash"

#Clean hand #Smooth hand #Excellent cleansing power

1. Mint Complex-Cool & antibacterial activity (raw material properties)

Cool feeling with mint extract

Antibacterial Activity of Apple Mint Leaf Extract

(Peppermint, Water Mint, Apple Mint Leaf Extract)

2. Aloe Vera Leaf Juice

Aloe vera leaf juice helps to calm and moisturize the skin

3. Excellent cleaning power

Surfactant raw material cleans with excellent cleaning power

4. Rich foam

The dense air bubbles and abundant air bubbles

Mild cleansing with minimal physical irritation

Volume

500ml

SKU

1



Clean and healthy habits "Clean Hand Wash"

Rich bubbles

#10 No adds

Refreshing mood

Mint, skin vitality

High nutrition skin care

Mint Complex
Skin purification and skin protection effect
Gives freshness and freshness

Aloe Vera Leaf Juice
Moisture even after washing
(Limited to raw material characteristics)

Metal ion removal

Rich bubbles

Disodium EDTA is used to remove harmful metal ions dissolved in water.

Mild cleansing while minimizing physical irritation to the skin due to the combination of dense air bubbles and abundant air bubbles

Recommended for

- ✓ Those who want to wash their hands thoroughly
- ✓ Those who want to refresh the stress of the day
- ✓ Those who want to change the unpleasantness of their hands to refreshing



Name	Peppermint Leaf Extract, Apple Mint Leaf Extract, Water Mint Leaf Extract
Description	Mentha Piperita (Peppermint) Leaf Extract, Mentha Rotundifolia Leaf Extract, Mentha Aquatica Leaf Extract
Function	Skin Conditioning Effect/ Chemical Source: Plant

Reference	<div data-bbox="295 396 1802 1315">  <div data-bbox="343 568 1089 1279"> <p>J. Pharm. Pharmacol. 1994, 46: 618-630 Received February 23, 1994 Accepted April 22, 1994</p> <p style="text-align: right;">© 1994 J. Pharm. Pharmacol.</p> <p style="text-align: center;">Review</p> <h2 style="text-align: center;">Menthol and Related Cooling Compounds</h2> <p style="text-align: center;">R. ECCLES</p> <p style="text-align: center;"><i>Common Cold and Nasal Research, Department of Physiology, University of Wales College of Cardiff, Cardiff CF1 1SS, UK</i></p> <table border="0" style="width: 100%;"> <tr><td>Production and Chemistry of Menthol</td><td style="text-align: right;">618</td></tr> <tr><td>Metabolism</td><td style="text-align: right;">619</td></tr> <tr><td>Structure-activity Relationships</td><td style="text-align: right;">619</td></tr> <tr><td>Mechanism of Action</td><td style="text-align: right;">620</td></tr> <tr><td>Pharmacology</td><td style="text-align: right;">621</td></tr> <tr><td> Respiratory system</td><td style="text-align: right;">621</td></tr> <tr><td> Nasal decongestant activity</td><td style="text-align: right;">622</td></tr> <tr><td> Respiratory reflexes</td><td style="text-align: right;">623</td></tr> <tr><td> Antitussive properties</td><td style="text-align: right;">623</td></tr> <tr><td> Mucus production and mucociliary clearance</td><td style="text-align: right;">623</td></tr> <tr><td> Pulmonary function</td><td style="text-align: right;">624</td></tr> <tr><td> Skin</td><td style="text-align: right;">624</td></tr> <tr><td> Oral cavity</td><td style="text-align: right;">625</td></tr> <tr><td> Gastrointestinal tract</td><td style="text-align: right;">625</td></tr> <tr><td> Effects on olfaction</td><td style="text-align: right;">626</td></tr> <tr><td> Sensory impact of menthol</td><td style="text-align: right;">626</td></tr> <tr><td> Miscellaneous</td><td style="text-align: right;">626</td></tr> <tr><td>Toxicology</td><td style="text-align: right;">627</td></tr> </table> <p>Summary—Menthol and related cooling compounds such as 'coolant agent 10', are widely used in products ranging from common cold medications to toothpastes, confectionery, cosmetics and pesticides. The review brings together a range of information on production and chemistry of menthol, and its metabolism, mechanism of action, structure-activity relationships, pharmacology and toxicology. In particular, the coolant action and carminative actions of menthol are discussed in terms of actions on calcium conductance in sensory nerves and smooth muscle. The actions of menthol on the nose, respiratory reflexes, oral cavity, skin and gastrointestinal tract are reviewed.</p> </div> </div> <div data-bbox="1188 786 1715 1061" data-label="Text"> <p><i>Peppermint oil made with Mentha Piperita contains up to 50% menthol, and peppermint oil is mainly used as a flavoring for toothpaste, other oral hygiene products, and chewing gum. Menthol has a peppermint scent and gives a cool feeling when applied to the skin and mucous membranes.</i></p> </div>	Production and Chemistry of Menthol	618	Metabolism	619	Structure-activity Relationships	619	Mechanism of Action	620	Pharmacology	621	Respiratory system	621	Nasal decongestant activity	622	Respiratory reflexes	623	Antitussive properties	623	Mucus production and mucociliary clearance	623	Pulmonary function	624	Skin	624	Oral cavity	625	Gastrointestinal tract	625	Effects on olfaction	626	Sensory impact of menthol	626	Miscellaneous	626	Toxicology	627
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Function	Skin Conditioning Effect / Chemical Source: Plant

Reference

Mint 3 Complex_애플민트 관련 논문

Antioxidant and antibacterial



Phytochemistry, antioxidant and antimicrobial activities of the essential oils of *Mentha rotundifolia* L. in Tunisia

Leila Khatib¹, Myriam Elferchichi², Hanene Ghazghaz³, Jett Jebali⁴, Sana Ziaoui⁵, Chedia Aouadhi⁶, Hnia Chograni⁷, Yosr Zaouali⁸, Nejia Zoghلامي⁹, Ahmed Mliki⁹

ABSTRACT

The present study is the first investigation of the chemical composition, antioxidant and antimicrobial activities of *Mentha rotundifolia* L. essential oils in Tunisia. Results show that essential oils from Beja locality were most complex and possess 45 compounds representing 96.82% of the total oil composition. The major compounds of the studied oils in this site are β-Caryophyllene (26.67%), Germacrene D (12.31%) and Carveol (7.38%); 40 components representing 95.81% of the total oil were identified in Bizerte site. These essential oils are dominated by Pulegone (32.09%), Eucalyptol (17.28%) and 5-Acetyl Thiazole (11.26%). Considerable levels of antioxidant activities of the investigated essential oils were highlighted. Variations in antioxidant activities may be attributed to the concentrations of major compounds and the presence of some phenolic compounds like Diosphenol and 2-Allyl-4-methylphenol. Our results showed strong activities of the investigated oils against all tested microorganisms. The highest antimicrobial activities were observed against Gram⁺ bacteria followed by Gram⁻ ones then fungal species.

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■ **항산화**

Antioxidant activities of Tunisian *M. rotundifolia* essential oils extracted from leaves. Values are given as mean ± SD (n=3). Means in each column followed by different letters are significantly different (P<0.05); EO: essential oil.

Locality	DPPH (IC ₅₀ , µg/ml)	FRAP (µmol Fe ²⁺ /g EO)
Bizerte	26.11 ± 1.04 ^a	390.91 ± 4.01 ^b
Beja	29.52 ± 1.31 ^b	330.46 ± 3.18 ^a

■ **항균활성**

Antimicrobial activity expressed as diameter of inhibition (mm), minimum inhibitory concentration MIC (as % v/v) and minimum bactericidal concentration MBC (as % v/v) of *M. rotundifolia* L. essential oils.

	Diameter of inhibition		MIC		MBC	
	Bizerte	Beja	Bizerte	Beja	Bizerte	Beja
Bacteria Gram+						
<i>Escherichia coli</i>	34 ± 0.5	33 ± 0.5	0.025	0.05	0.05	0.1
<i>Salmonella typhimurium</i>	31 ± 1	30 ± 0.5	0.05	0.1	0.1	0.2
Bacteria Gram-						
<i>Staphylococcus aureus</i>	24 ± 0.5	24 ± 1.1	0.1	0.1	0.2	0.2
<i>Bacillus cereus</i>	23 ± 1.1	22 ± 0.5	0.2	0.4	0.4	0.8
Fungi						
<i>Aspergillus niger</i>	23 ± 0.5	22 ± 1	0.4	0.4	0.8	0.8
<i>Candida albicans</i>	21 ± 1	20 ± 0.5	0.8	0.8	1.6	1.6

Applemint's essential oil contains more than 45 (Caryophyllene, Germacrene D, Carveol Bicyclo-sesquiphell andrene) essential oils and has antioxidant and antibacterial activities.

PRODUCT

Clean Liquid Hand Wash

4. INGREDIENT

NO.	INCI NAME (한글)	INCI NAME	Function
1	정제수	Water	5-stage water purification system and double UV sterilization
2	소듐라우레스설페이트	Sodium Laureth Sulfate	Surfactant
3	다이소듐이디티에이	Disodium EDTA	Metal ion sequestering agent
4	암모늄라우릴설페이트	Ammonium Lauryl Sulfate	Surfactant
5	코카미도프로필베타인	Cocamidopropyl Betaine	Surfactant
6	코카마이드디이에이	Cocamide DEA	Surfactant
7	소듐클로라이드	Sodium Chloride	Incremental preservative
8	시트릭애씨드	Citric Acid	Oxidant
9	알로에베라잎즙	Aloe Barbadensis Leaf Juice	Moisturizer
10	페녹시에탄올	Phenoxyethanol	Preservative
11	클로페네신	Chlorphenesin	Preservative
12	다이프로필렌글라이콜	Dipropylene Glycol	Solvent
13	페퍼민트잎추출물	Mentha Piperita (Peppermint) Leaf Extract	Moisturizer
14	애플민트잎추출물	Mentha Rotundifolia Leaf Extract	Moisturizer
15	워터민트잎추출물	Mentha Aquatica Leaf Extract	Moisturizer
16	향료	Fragrance	

SPECIFICATION

SELLING POINT

IMAGE

Clean and easy antibacterial wash
"Clean Hand Foaming Wash"



#Clean hands #Cool hands #Moist hands #Keep clean

1. Protection from external contamination

Contains ethanol to help clean hands from contamination of microorganisms and dust

2. Plant-derived antibacterial ingredients-Mint 3 complex extract

Skin purification, skin protection, refreshing

3. Contains 8 types of hyaluronic acid complex

Eight different molecular weight hyaluronic acids are contained to make dry hands moist by using ethanol.

4. Product faithful to function

7No additives + Easy cleanliness + Reliable function

6. 7 Free

(Polyacrylamide, Paraben, MIT / CMIT, Tar color, Benzophenone-3, Mineral Oil, Dibutylhydroxytoluene)

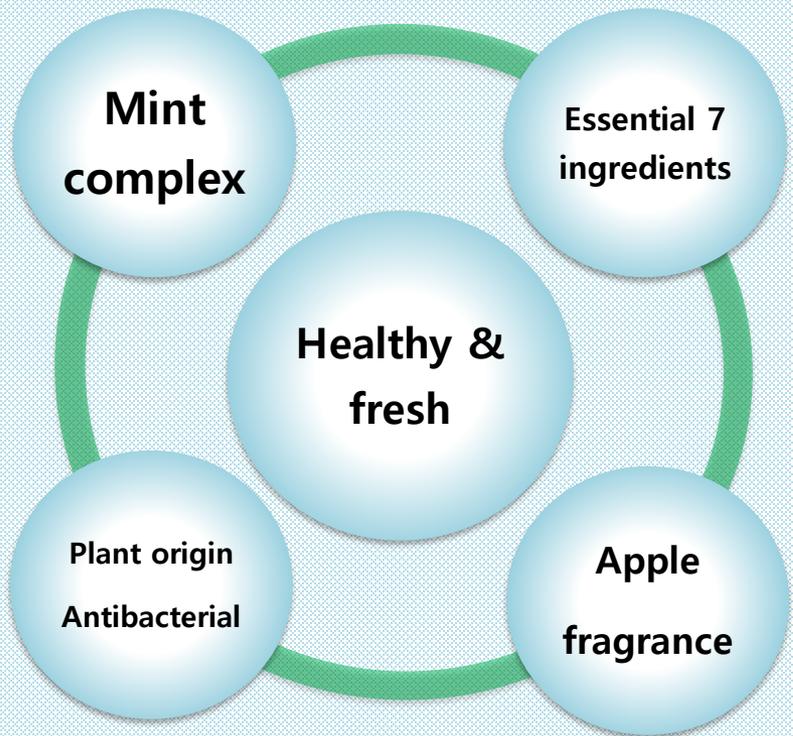
Products that can be safely used by excluding sensitive ingredients

Volume

500ml

SKU

1



To rinse the worrisome pollution
 “Clean Hand Foaming Wash”

- #Smooth foam
- #Anti bacterial
- #Fresh feeling

Skin vitality by mint

Mint complex & peppermint oil cleanse and protect skin
 Menthol's freshness and freshness

10 free

Safe for the whole family
 Excluding sensitive ingredients

Recommended for

- ✓ Those who want to wash their hands
- ✓ For those who want soft and mild cleaning
- ✓ Those who want to relieve the stress of the day
- ✓ Those who want to change the freshness of their hands into freshness

Decontamination

It is a smart formulation that contains only natural surfactant, Decylglucoside, and cleans only wastes while leaving NMF (natural moisturizing factor).

Plant origin, anti-bacterial

Apple mint leaf extract and ethanol inhibit the activity of bacteria and fungi to help hygienic hand washing (only for raw materials)

name	Mentha Rotundifolia Leaf Extract
Function	Skin conditioning

Reference	<p>Antioxidant and antibacterial activity of apple mint</p> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p style="text-align: center;">Antioxidant</p> <p>Antioxidant activities of Tunisian <i>M. rotundifolia</i> essential oils extracted from leaves. Values are given as mean ± SD (n = 3). Means in each column followed by different letters are significantly different (P < 0.05); EO: essential oil.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Locality</th> <th style="text-align: center;">DPPH (IC₅₀, µg/ml)</th> <th style="text-align: center;">FRAP (µmol Fe²⁺/g EO)</th> </tr> </thead> <tbody> <tr> <td>Bizerte</td> <td style="text-align: center;">26.11 ± 1.04^a</td> <td style="text-align: center;">390.91 ± 4.01^b</td> </tr> <tr> <td>Beja</td> <td style="text-align: center;">29.52 ± 1.31^b</td> <td style="text-align: center;">330.46 ± 3.18^a</td> </tr> </tbody> </table> </div> <div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Antibacterial activity</p> <p>Antimicrobial activity expressed as diameter of inhibition (mm), minimum inhibitory concentration MIC (as % v/v) and minimum bactericidal concentration MBC (as % v/v) of <i>M. rotundifolia</i> L. essential oils.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2" style="text-align: center;">Diameter of inhibition</th> <th colspan="2" style="text-align: center;">MIC</th> <th colspan="2" style="text-align: center;">MBC</th> </tr> <tr> <th style="text-align: center;">Bizerte</th> <th style="text-align: center;">Beja</th> <th style="text-align: center;">Bizerte</th> <th style="text-align: center;">Beja</th> <th style="text-align: center;">Bizerte</th> <th style="text-align: center;">Beja</th> </tr> </thead> <tbody> <tr> <td colspan="7">Bacteria Gram+</td> </tr> <tr> <td><i>Escherichia coli</i></td> <td style="text-align: center;">34 ± 0.5</td> <td style="text-align: center;">33 ± 0.5</td> <td style="text-align: center;">0.025</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.1</td> </tr> <tr> <td><i>Salmonella typhimurium</i></td> <td style="text-align: center;">31 ± 1</td> <td style="text-align: center;">30 ± 0.5</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.2</td> </tr> <tr> <td colspan="7">Bacteria Gram-</td> </tr> <tr> <td><i>Staphylococcus aureus</i></td> <td style="text-align: center;">24 ± 0.5</td> <td style="text-align: center;">24 ± 1.1</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.2</td> <td style="text-align: center;">0.2</td> </tr> <tr> <td><i>Bacillus cereus</i></td> <td style="text-align: center;">23 ± 1.1</td> <td style="text-align: center;">22 ± 0.5</td> <td style="text-align: center;">0.2</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.8</td> </tr> <tr> <td colspan="7">Fungi</td> </tr> <tr> <td><i>Aspergillus niger</i></td> <td style="text-align: center;">23 ± 0.5</td> <td style="text-align: center;">22 ± 1</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">0.8</td> </tr> <tr> <td><i>Candida albicans</i></td> <td style="text-align: center;">21 ± 1</td> <td style="text-align: center;">20 ± 0.5</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">1.6</td> <td style="text-align: center;">1.6</td> </tr> </tbody> </table> </div>	Locality	DPPH (IC ₅₀ , µg/ml)	FRAP (µmol Fe ²⁺ /g EO)	Bizerte	26.11 ± 1.04 ^a	390.91 ± 4.01 ^b	Beja	29.52 ± 1.31 ^b	330.46 ± 3.18 ^a		Diameter of inhibition		MIC		MBC		Bizerte	Beja	Bizerte	Beja	Bizerte	Beja	Bacteria Gram+							<i>Escherichia coli</i>	34 ± 0.5	33 ± 0.5	0.025	0.05	0.05	0.1	<i>Salmonella typhimurium</i>	31 ± 1	30 ± 0.5	0.05	0.1	0.1	0.2	Bacteria Gram-							<i>Staphylococcus aureus</i>	24 ± 0.5	24 ± 1.1	0.1	0.1	0.2	0.2	<i>Bacillus cereus</i>	23 ± 1.1	22 ± 0.5	0.2	0.4	0.4	0.8	Fungi							<i>Aspergillus niger</i>	23 ± 0.5	22 ± 1	0.4	0.4	0.8	0.8	<i>Candida albicans</i>	21 ± 1	20 ± 0.5	0.8	0.8	1.6	1.6
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Antioxidant and antibacterial activity



Helps to recover skin from fatigue, prevent aging, and protect against harmful bacteria

PRODUCT

Clean Hand Foaming Wash

4. INGREDIENT

NO.	INCI NAME	中文成分名(중문성분명)	INCI NAME(국문)	FUNCTION
1	Water	水	정제수	Solvent
2	Alcohol	乙醇	에탄올	Solvent
3	Decyl Glucoside	癸基葡糖苷	데실글루코사이드	Cleansing Agent
4	Lauramine Oxide	月桂基胺氧化物	라우라민옥사이드	Hair Conditioning Agent
5	Citric Acid	柠檬酸	시트릭애씨드	pH Adjuster
6	Fragrance	(日用) 香精	향료	Fragrance Ingredient
7	Butylene Glycol	丁二醇	부틸렌글라이콜	Skin-Conditioning Agent
8	Disodium EDTA	EDTA 二钠	다이소듐이디티에이	Chelating Agent
9	Mentha Piperita (Peppermint) Leaf Extract	辣薄荷 (MENTHA PIPERITA) 叶提取物	페퍼민트잎추출물	Skin-Conditioning Agent
10	Mentha Rotundifolia Leaf Extract	圆叶薄荷 (MENTHA ROTUNDIFOLIA) 叶提取物	애플민트잎추출물	Skin-Conditioning Agent
11	Mentha Aquatica Leaf Extract	水薄荷 (MENTHA AQUATICA) 叶提取物	워터민트잎추출물	Skin-Conditioning Agent
12	Glycerin	甘油	글리세린	Denaturant
13	Aloe Barbadosensis Leaf Juice	库拉索芦荟 (ALOE BARBADENSIS) 叶汁	알로에베라잎즙	Skin-Conditioning Agent

SPECIFICATION

SELLING POINT

IMAGE

**Korean government quasi-drug certification
"Antibacterial Sanitizer Gel"**



#Clean hands #Cool hands #Moist hands #Keep clean

- 1. Contains fermented corn alcohol (60%)**
Alcohol made by fermenting cornstarch
Helps to keep skin clean from contamination
- 2. Quasi-drug approved products**
Safe products certified by the Korean government
- 3. Clean and dry hands**
Maintains clean, dry hands without sticky after use
Refreshing feeling
- 4. Green tea extract**
Green tea extract's unique nutritional ingredients and healing power
Excellent for moisturizing effect

Volume	500ml	SKU	1
--------	-------	-----	---



Korean government quasi-drug certification
"Antibacterial Sanitizer Gel"

#Clean hand

#Moist hands

Refreshing mood

•Quasi-drug

•Corn-derived / Alcohol

Safe to use as a quasi-drug product approved by the Ministry of Food and Drug Safety

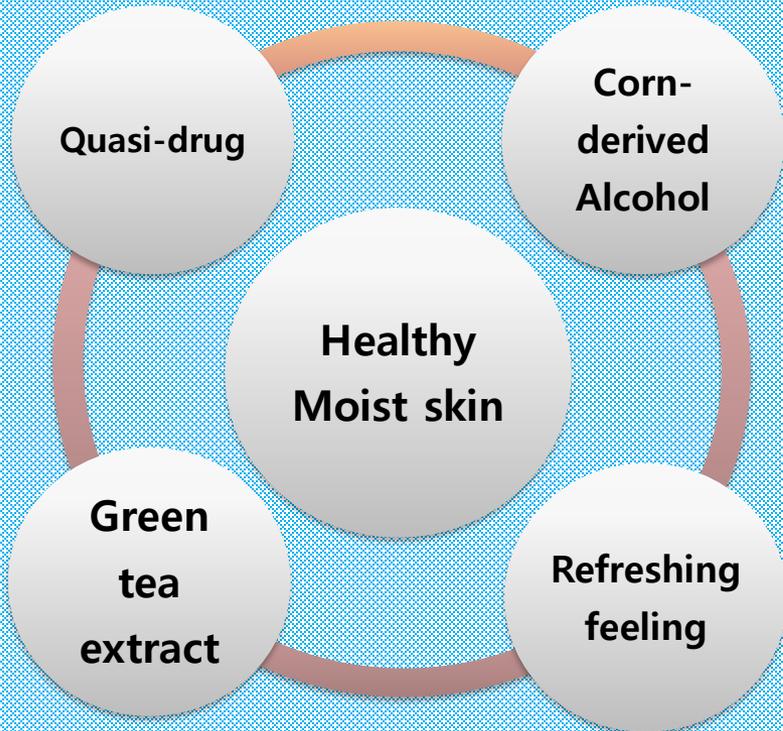
Corn-derived
Containing alcohol
Effective cleaning effect

Nutrition Moisture Green Tea Extract

Clean and dry hands

Excellent for moisturizing the skin with rich nutrients and healing power

A refreshing feeling that keeps your hands clean and dry without being sticky after use



Recommended for

- ✓ Protects hands from external contamination at once without washing with water
- ✓ Those who want to eradicate various germs in their hands with antibacterial ingredients
- ✓ Those who want to change the unpleasantness of their hands to refreshing

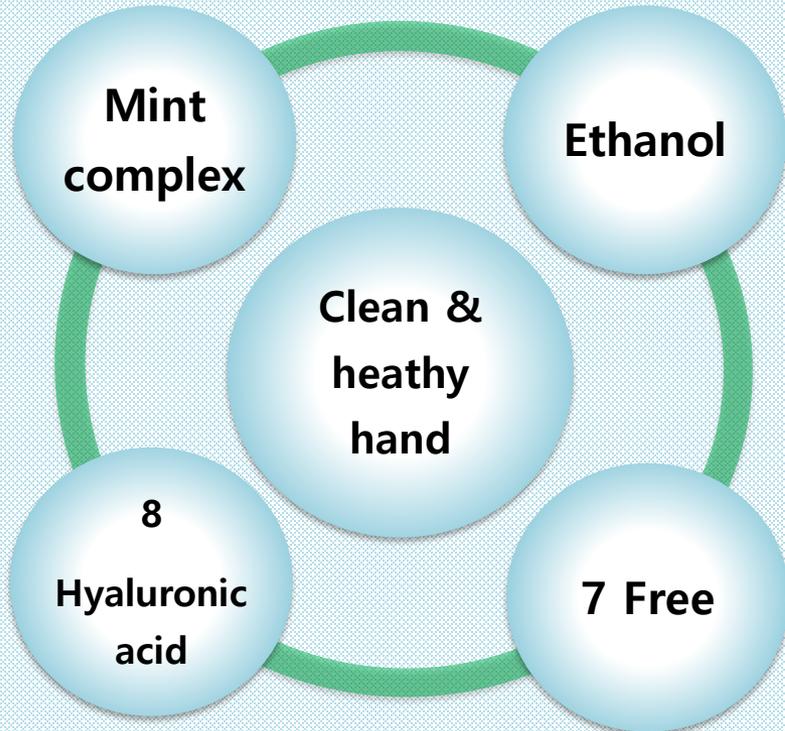


To wipe out the pollution of concern
"Anti-bacterial hand gel"

#Clean hand

#Cool hand

#Keeping clean



Skin vitality by mint

Mint complex & peppermint oil cleanse and protect skin
Menthol's freshness and freshness

Decontamination

Contains ethanol to help clean microorganisms and contaminants

8 hyaluronic acid

Contains high, medium and low molecular weight hyaluronic acid to enhance moisture retention in dry hands with ethanol.

Plant origin, anti-bacterial

Corn fermented ethanol suppresses the activity of bacteria and fungi and helps in hygienic hand washing (limited to raw materials)

Recommended for

- Those concerned about the cleanliness of their hands
- Those who need a clean, dry hand gel
- Those who want to change the freshness of their hands into freshness

Name	Mentha Rotundifolia Leaf Extract
Function	Skin conditioning

Reference	<p>Antioxidant and antibacterial activity of apple mint</p> <div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p style="text-align: center;">Antioxidant</p> <p>Antioxidant activities of Tunisian <i>M. rotundifolia</i> essential oils extracted from leaves. Values are given as mean ± SD (n = 3). Means in each column followed by different letters are significantly different (P < 0.05); EO: essential oil.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Locality</th> <th style="text-align: center;">DPPH (IC₅₀, µg/ml)</th> <th style="text-align: center;">FRAP (µmol Fe²⁺/g EO)</th> </tr> </thead> <tbody> <tr> <td>Bizerte</td> <td style="text-align: center;">26.11 ± 1.04^a</td> <td style="text-align: center;">390.91 ± 4.01^b</td> </tr> <tr> <td>Beja</td> <td style="text-align: center;">29.52 ± 1.31^b</td> <td style="text-align: center;">330.46 ± 3.18^a</td> </tr> </tbody> </table> </div> <div style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Antibacterial activity</p> <p>Antimicrobial activity expressed as diameter of inhibition (mm), minimum inhibitory concentration MIC (as % v/v) and minimum bactericidal concentration MBC (as % v/v) of <i>M. rotundifolia</i> L. essential oils.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2" style="text-align: center;">Diameter of inhibition</th> <th colspan="2" style="text-align: center;">MIC</th> <th colspan="2" style="text-align: center;">MBC</th> </tr> <tr> <th style="text-align: center;">Bizerte</th> <th style="text-align: center;">Beja</th> <th style="text-align: center;">Bizerte</th> <th style="text-align: center;">Beja</th> <th style="text-align: center;">Bizerte</th> <th style="text-align: center;">Beja</th> </tr> </thead> <tbody> <tr> <td colspan="7">Bacteria Gram+</td> </tr> <tr> <td><i>Escherichia coli</i></td> <td style="text-align: center;">34 ± 0.5</td> <td style="text-align: center;">33 ± 0.5</td> <td style="text-align: center;">0.025</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.1</td> </tr> <tr> <td><i>Salmonella typhimurium</i></td> <td style="text-align: center;">31 ± 1</td> <td style="text-align: center;">30 ± 0.5</td> <td style="text-align: center;">0.05</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.2</td> </tr> <tr> <td colspan="7">Bacteria Gram-</td> </tr> <tr> <td><i>Staphylococcus aureus</i></td> <td style="text-align: center;">24 ± 0.5</td> <td style="text-align: center;">24 ± 1.1</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">0.2</td> <td style="text-align: center;">0.2</td> </tr> <tr> <td><i>Bacillus cereus</i></td> <td style="text-align: center;">23 ± 1.1</td> <td style="text-align: center;">22 ± 0.5</td> <td style="text-align: center;">0.2</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.8</td> </tr> <tr> <td colspan="7">Fungi</td> </tr> <tr> <td><i>Aspergillus niger</i></td> <td style="text-align: center;">23 ± 0.5</td> <td style="text-align: center;">22 ± 1</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">0.8</td> </tr> <tr> <td><i>Candida albicans</i></td> <td style="text-align: center;">21 ± 1</td> <td style="text-align: center;">20 ± 0.5</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">1.6</td> <td style="text-align: center;">1.6</td> </tr> </tbody> </table> </div>	Locality	DPPH (IC ₅₀ , µg/ml)	FRAP (µmol Fe ²⁺ /g EO)	Bizerte	26.11 ± 1.04 ^a	390.91 ± 4.01 ^b	Beja	29.52 ± 1.31 ^b	330.46 ± 3.18 ^a		Diameter of inhibition		MIC		MBC		Bizerte	Beja	Bizerte	Beja	Bizerte	Beja	Bacteria Gram+							<i>Escherichia coli</i>	34 ± 0.5	33 ± 0.5	0.025	0.05	0.05	0.1	<i>Salmonella typhimurium</i>	31 ± 1	30 ± 0.5	0.05	0.1	0.1	0.2	Bacteria Gram-							<i>Staphylococcus aureus</i>	24 ± 0.5	24 ± 1.1	0.1	0.1	0.2	0.2	<i>Bacillus cereus</i>	23 ± 1.1	22 ± 0.5	0.2	0.4	0.4	0.8	Fungi							<i>Aspergillus niger</i>	23 ± 0.5	22 ± 1	0.4	0.4	0.8	0.8	<i>Candida albicans</i>	21 ± 1	20 ± 0.5	0.8	0.8	1.6	1.6
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Antioxidant and antibacterial activity



Helps to recover skin from fatigue, prevent aging, and protect against harmful bacteria

NO.	INCI NAME (한글)	INCI NAME	Function
1	에탄올(60%)	Alcohol	Solvent
2	정제수	Water	Solvent
3	카보머	Carbomer	Thickener
4	아미노메틸프로판올	Aminomethyl Propanol	pH Adjuster
5	녹차추출물	Camellia Sinensis Leaf Extract	Moisturizer
6	알로에 향	Fragrance	



LUSOB Daily Soap Series

► **Oriental Daily Soap** [English Version]

- 1) Oriental Herb & 5Grain Daily Soap
- 2) Charcoal Cleansing Daily Soap
- 3) Honey & Chestnut Shell Daily Soap
- 4) Korea Ginseng Daily Soap
- 5) Anti-acne Daily Soap

► **Scrub Soap** [Korean Version]

- 6) Oriental Herb & 5Grain
- 7) Charcoal Cleansing
- 8) Honey & Chestnut Shell
- 9) 5 SORTS OF GRAIN

SPECIFICATION

SELLING POINT

IMAGE

Contains oriental ingrediants and 5 sorts grains



1) **Five natural grains nourish skin** and three kinds of **herbal ingredients** such as angelica, lily, and michi-hyun, **gently cleanses the skin and makes you feel more elastic skin**

2) **Natural AHA ingredient** (Fruit extract)
 - Glycolic acid, lactic acid, malic acid, citric acid, tartaric acid
 - Helps skin regeneration by skin exfoliation

3) **Zinc oxide** make the **skin brighter and protect from UV**

4) **5 no harmful ingredients**
 (Pigment free, mineral oil free, color stabilizer free, PEG surfactant free, paraben free)

5) **EWG 1st grade high quality soap chip**(palm oil base)

6) **Fragrance : Lily**

SPECIFICATION

SELLING POINT

IMAGE

Contains charcoal effective for removing waste



- 1) Contains charcoal with high adsorption power, **effectively removes the waste materials in pores**, and contains camellia oil, which protects skin from dust.
- 2) **Natural AHA ingredient** (Fruit extract)
 - Glycolic acid, lactic acid, malic acid, citric acid, tartaric acid
 - Helps skin regeneration by skin exfoliation
- 3) **Zinc oxide** make the skin brighter and protect from UV
- 4) **5 no harmful ingredients**
(Pigment free, mineral oil free, color stabilizer free, PEG surfactant free, paraben free)
- 5) EWG 1st grade high quality soap chip(palm oil base)
- 6) **Fragrance : Olive**

SPECIFICATION

SELLING POINT

IMAGE

Contains a large amount of tannin jelly



- 1) **Chestnut is antioxidant and honey helps skin moisturize.**
- 2) **Natural AHA ingredient** (Fruit extract)
 - Glycolic acid, lactic acid, malic acid, citric acid, tartaric acid
 - Helps skin regeneration by skin exfoliation

Provides nutrients to the skin with moisturizing power of honey, which contains plenty of tannins with high antioxidant activity and various vitamins and a large amount of enzymes.

- 3) **Zinc oxide** make the **skin brighter and protect from UV**
- 4) **5 no harmful ingredients**
(Pigment free, mineral oil free, color stabilizer free, PEG surfactant free, paraben free)
- 5) EWG 1st grade high quality soap chip(palm oil base)
- 6) **Fragrance : Freesia**

SPECIFICATION

SELLING POINT

IMAGE

Ginseng revitalizes the skin (Anti-aging)



Contains ginseng extract to prevent aging of skin, to smoothes skin and keeps skin smooth and shine

- 1) Contains ginseng extract to **prevent aging of skin**, to smoothes skin and keeps skin **vitalization**
- 2) **Korean ginseng** is known as having best quality over the world
- 3) **Zinc oxide** make the **skin brighter and protect from UV**
- 4) Natural **AHA** ingredient helps **skin exfoliation and skin regeneration**
- 5) **5 no harmful ingredients**
(Pigment free, mineral oil free, color stabilizer free, PEG surfactant free, paraben free)
- 6) EWG 1st grade high quality soap chip(palm oil base)
- 7) **Fragrance : Ginseng**

SPECIFICATION

SELLING POINT

IMAGE



Removes dirt and impurities and helps to treat acne

It acts gently on sensitive skin, and rich bubble helps maintain skin's wastes and skin's true clear and shine

- 1) **Natural AHA ingredients and Houttuynia Cordata Extract help to remove sebum in the pores and to regenerate skin**
- 2) **Tea tree oil** has a soothing effect, which is good for preventing acne.
- 3) **Zinc oxide** make the skin brighter and protect from UV
- 4) **5 no harmful ingredients**
(Pigment free, mineral oil free, color stabilizer free, PEG surfactant free, paraben free)
- 5) **EWG 1st grade high quality soap chip(palm oil base)**

6) Fragrance : Amber Floral

SPECIFICATION

SELLING POINT

IMAGE



1.FORMULATED WITH **100% VEGETABLE RAW MATERIALS** ,**AHA**(EXTRACTED FROM FRUIT) ,**TRADITIONAL ORIENTAL COMPONENT**

2. The 5 natural grains (rice, millet, adlay, red-bean, soybean) in addition to the 3 Oriental Herbs scrubs away tough stains, leaving your skin clean, smooth and hydrated.

AHA WHICH IS EXTRACTED FROM FRUITS MAKES KERATINIZED SKIN SOFT AND IS EFFECTIVE IN COMING OFF IT FROM SURFACE OF SKIN. MEANTIME ,IS REPORTED THAT IT IS MORE EFFECTIVE THAN USING TOWEL AND OTHER REMOVERS OF HORNY SUBSTANCES AND HELPS KERATINIZED SKIN COME OFF AND KEEP YOUR SKIN TENDER AND GENTLE.

FREE OF MINERAL OILS, COLORING AGENT, SURFACTANT OF PEG TYPE, ANTISEPTIC SUCH AS PARABEN

SPECIFICATION

SELLING POINT

IMAGE



1. FORMULATED WITH 100% OF **VEGETABLE** RAW MATERIALS AND **AHA** WHICH IS EXTRACTED FROM FRUITS ALSO **CHARCAOL** THAT ABSORPTION POWER IS FAR SUPERIOR. SUCH MATERIALS REMOVE THE BODY WASTES IN SKIN PORES EFFECTIVELY.

2. CONTAINS **CAMELIA OILS**. IT KEEPS YOUR SKIN HYDRATED AND SMOOTH.

3. ACCORDINGLY, ABUNDANT FOAM HELPS TO REMOVE THE RESIDUES OF COSMETIC AND SEDUM IN SKIN PORES. SO KEEP UP YOUR SKIN IS MOISTURIZED AND HYDRATED.

AHA WHICH IS EXTRACTED FROM FRUIT MAKES KERATINIZED SKIN SOFT AND IS EFFECTIVE IN COMING OFF IT FROM SURFACE OF SKIN ALSO IS REPORTED THAT IT IS MORE EFFECTIVE THAN USING THE TOWEL AND OTHER REMOVERS OF HORNY SUBSTANCES AND HELPS KERATINIZED SKIN COME OFF AND KEEP YOUR SKIN TENDER AND GENTLE

FREE OF MINERAL OIL, COLORING AGENT, SURFACTANT OF PEG TYPE. ANTISEPTIC SUCH AS PARABEN

SPECIFICATION

SELLING POINT

IMAGE



1.FORMULATED WITH **100% VEGETABLE** RAW MATERIALS, **AHA**(EXTRACTED FROM FRUITS) ,**CHESTNUT SKIN** WHICH CONTAINS LARGE QUANTITY OF COMPONENT OF **TANIN** THAT SULFATED PROCESS IS STRONG AND **HONEY** WHICH CONTAINS ALL KINDS OF **VITAMINS** AND MUCH **ENZYME** MAKES SKIN IS MOISTURIZED AND ELASTIC BY PROVIDING A NUTRITION TO YOUR SKIN.

2.ALSO ABUNDANT BUBBLES HELPS TO REMOVE THE RESIDUES OF COSMETIC AND SEDUM IN YOUR SKIN PORES.ACCORDINGLY, KEEP YOUR SKIN IS MOISTURIZED AND HYDRATED.

AHA WHICH IS EXTRACTED FROM FRUITS MAKES KERATINIZED SKIN SOFT AND IS EFFECTIVE IN COMING OFF IT FROM SURFACE OF SKIN. MEANTIME ,IS REPORTED THAT IT IS MORE EFFECTIVE THAN USING TOWEL AND OTHER REMOVERS OF HORNY SUBSTANCES AND HELPS KERATINIZED SKIN COME OFF AND KEEP YOUR SKIN TENDER AND GENTLE.

FREE OF MINERAL OILS, COLORING AGENT, SURFACTANT OF PEG TYPE, ANTISEPTIC SUCH AS PARABEN

SPECIFICATION

SELLING POINT

IMAGE



1.FORMULATED WITH **100% VEGETABLE RAW MATERIALS** ,**AHA**(EXTRACTED FROM FRUIT) ,**TRADITIONAL ORIENTAL COMPONENT**

AND **5 KINDS OF GRAIN**. SO SUCH INGREDIENTS HELPS TO REMOVE THE BODY WASTE OF SKIN CLEARLY.

2. ALSO ABUNDANT BUBBLES HELPS TO REMOVE THE RESIDUES OF COSMETIC AS WELL AS SEDUM IN SKIN PORES.

ACCORDINGLY KEEP YOUR SKIN IS MOISTURIZED AND HYDRATED.

NATURAL AHA WHICH IS EXTRACTED FROM FRUITS MAKES KERATINIZED SKIN SOFT AND IS EFFECTIVE IN COMING OFF IT FROM SURFACE OF YOUR SKIN.MEANTIME, IS REPORTED THAT IT IS MORE EFFECTIVE THAN USING THE TOWEL AND OTHER REMOVERS OF HORNY SUBSTANCES AND HELPS KERATINIZED SKIN COME OFF AND KEEP YOUR SKIN TENDER AND GENTLE

FREE OF MINERAL OIL, COLORING AGENT, SURFACTANT OF PEG TYPE, ANTISEPTIC SUCH AS PARABEN



LUSOB Household & Living

- 1. Powder Detergent**
- 2. Eco Friendly Dishwashing Detergent**
- 3. Eco Friendly Laundry Detergent**
- 4. Premium Dishwashing Detergent**

SPECIFICATION

SELLING POINT

IMAGE



Versatile powder detergent safe and powerful prescription

- 1) Not including phosphate, safe prescription powder detergent
- 2) With PowerBuilder's effective action, it wash out well in cold water
- 3) It helps prevent re-attach of pollutants.
- 4) The inclusion of zeolite changes the nature of the water to be suitable for washing.
- 5) Economical use compared to the amount of laundry
- 6) Nonionic surfactants and polymer components are effective for decomposition when stained.
- 7) Product series
 - Pouch : 5kg
 - Box : 2kg, 5kg
 - Preparation : 500kg

Volume	2 / 5 / 5kg	SKU	3
--------	-------------	-----	---

PRODUCT

Eco Friendly Dishwashing Detergent

1. SUMMARY

SPECIFICATION

SELLING POINT

IMAGE



(500ml)



(750ml)



(1L)

Excellent cleaning power of eco-friendly ingredients
“Eco-friendly 1st class dish detergent”
Eco-Friendly Certification

#Skin moisturizing #Excellent cleaning #Baby bottle cleaning

1. Excellent cleaning ability

Low skin irritation, excellent biodegradability, excellent cleaning and wetting
 And excellent surface activity to dissolve components in other electrolytes

2. Class 1 dishwashing detergent

One type that can clean fruit and vegetable equivalent maps

3. Use of food additive grade preservatives

Preservatives that may be sensitive are used as food additive grade ingredients.

Products that can be used safely

4. True environment products

Excellent cleaning power of eco-friendly ingredients certified by the Korean government

5. No addition of 5

(Paraben, MIT/CMIT, optical brightener, phosphate, phenoxyethanol)
 Products that can be used safely by excluding sensitive ingredients

Volume	500ml/750ml/1L	SKU	3
--------	----------------	-----	---



Excellent cleaning power of eco-friendly ingredients "Eco-friendly class 1 dish detergent"

#Skin moisturizing

#Fruit and vegetable cleaning

#Excellent cleaning power



Naturally derived surfactant

-
It is easily biodegradable, non-toxic, has no skin irritation, and can be safely cleaned of fruits, vegetables, toys and dishes with its excellent cleaning ability.

Makes the skin more moist

-
It contains glycerin, a moisturizing ingredient in food additives, so it can be cleaned and moisturized hands.

Food additive preservative

-
A product that can be safely used by using a sensitive preservative as a food additive grade sodium benzoate

5無 adds

-
Products that exclude sensitive ingredients (paraben, MIT/CMIT, formaldehyde, optical brightener, phosphate, phenoxyethanol)

Korea Government certified eco-friendly mark products

PRODUCT

Eco Friendly Dishwashing Detergent

3. EFFICACY

Name	glycerin																																										
Description	Glycerin																																										
Function	Moisturizing, / Oil separated from plants (palm, coconut, etc.)																																										
Reference	<p>Papers on moisturizing glycerin</p> <p>Table 4. Changes in skin moisture of test materials</p> <table border="1"><thead><tr><th>Test materials</th><th>Before application</th><th>30 minutes after application</th><th>2 hours after application</th><th>4 hours after application</th><th>6 hours after application</th></tr></thead><tbody><tr><td>#1</td><td>583.01 ± 95.60^{II}</td><td>681.94 ± 92.47</td><td>597.66± 103.81</td><td>579.78± 102.26</td><td>559.65± 103.38</td></tr><tr><td>#2</td><td>577.29 ± 141.31</td><td>712.70 ± 116.21</td><td>645.23± 109.26</td><td>606.21± 109.32</td><td>589.82± 109.39</td></tr><tr><td>#3</td><td>584.60 ± 128.34</td><td>717.73 ± 108.04</td><td>641.70± 102.47</td><td>614.84± 100.27</td><td>595.25± 101.12</td></tr><tr><td>#4</td><td>589.79 ± 123.94</td><td>690.79 ± 74.22</td><td>638.31± 85.55</td><td>611.89± 89.78</td><td>588.41± 92.86</td></tr><tr><td>#5</td><td>597.59 ± 115.95</td><td>746.27 ± 70.20</td><td>682.34± 83.23</td><td>648.34± 87.48</td><td>628.45± 87.48</td></tr><tr><td>#6</td><td>592.90 ± 119.84</td><td>739.12 ± 87.89</td><td>666.27± 86.37</td><td>630.20± 88.14</td><td>616.75± 84.18</td></tr></tbody></table> <p>The raw material to the skin When used Skin softening action occurs</p>  <p>Effectively improves dry skin</p> <p>Articles on the effect of jojoba oil on skin : 4455-4459, 2010</p>	Test materials	Before application	30 minutes after application	2 hours after application	4 hours after application	6 hours after application	#1	583.01 ± 95.60 ^{II}	681.94 ± 92.47	597.66± 103.81	579.78± 102.26	559.65± 103.38	#2	577.29 ± 141.31	712.70 ± 116.21	645.23± 109.26	606.21± 109.32	589.82± 109.39	#3	584.60 ± 128.34	717.73 ± 108.04	641.70± 102.47	614.84± 100.27	595.25± 101.12	#4	589.79 ± 123.94	690.79 ± 74.22	638.31± 85.55	611.89± 89.78	588.41± 92.86	#5	597.59 ± 115.95	746.27 ± 70.20	682.34± 83.23	648.34± 87.48	628.45± 87.48	#6	592.90 ± 119.84	739.12 ± 87.89	666.27± 86.37	630.20± 88.14	616.75± 84.18
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PRODUCT**Eco Friendly Dishwashing Detergent****4. INGREDIENT**

NO	INCI NAME (국문)	INCI NAME	FUNCTION
1	정제수	Water	solvent
2	직쇄알킬벤젠설포네이트	linear alkylbenzene sulfonate	Surfactants
3	소듐하이드록사이드	NaOH(50%)	pH regulator
4	라우릴 에테르 황산나트륨	SLES	Surfactants
5	알킬폴리글루코시드	Alkyl polyglycoside	Surfactants
6	이디티에이-2Na	EDTA-2Na	Increasing
7	글리세린	Glycerin	Moisturizing
8	안식향산나트륨	Sodium benzoate	preservation
9	구연산	Citric acid	Sequestering metal ions
10	에탄올	Ethanol	Viscosity control
11	오렌지 향료		Moisturizing

All ingredients may be changed.

SPECIFICATION

SELLING POINT

IMAGE



Excellent cleaning power
 "Eco-friendly laundry detergent"
 Eco-Friendly Certification

#Excellent cleaning ability #Eco-friendly product #Essential cost

1. Excellent cleaning ability

Use of surfactant with excellent cleaning ability

2. Environmentally friendly laundry detergent certified by the Korean government

Excellent cleaning power certified by the Korean government certification body & Contains stable ingredients

3. Use of food additive grade moisturizer

Glycerin, a food additive-grade moisturizer, is used to cleanse the body and Products that can protect and prevent fabric damage

4. Economical cost-effective product

Excellent cost-effectiveness compared to commercially available products
 (*Experimental cost: a consumption type that emphasizes price and psychological satisfaction)

5. 6 No addition

(Triclosan, paraben, MIT/CMIT, optical brightener, phosphate, phenoxyethanol)
 A product that can be used safely by excluding sensitive ingredients.

Volume	1.5L	SKU	1
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Excellent cleaning power
"Eco-friendly laundry detergent"

#Safety preservation agent

#Excellent cleaning power

#6 No additives



Food grade preservative

environment friendly product

-
Safer cleaning using sodium benzoate, a food additive grade preservative

-
The Korean government Certified excellent cleaning power and Contains eco-friendly ingredients.

Food additive grade moisturizer

6 No additives

-
A product that uses glycerin, a food additive-grade moisturizer, to protect the body and prevent damage to the fabric while washing.

-
Product that can be used with confidence because it does not add triclosan, paraben, MIT/CMIT, optical brightener, phosphate, phenoxyethanol

Korea Government certified eco-friendly mark products

PRODUCT**Eco Friendly Laundry Detergent****3. INGREDIENT**

NO	INCI NAME (국문)	INCI NAME	FUNCTION
1	정제수	Water	solvent
2	직쇄알킬벤젠설포네이트	linear alkylbenzene sulfonate	Surfactants
3	디에탄올아민	Diethanol amine	corrector
4	소듐라우레스설페이트	SLES	Surfactants
5	코카마이드디이에이	CDE-N1	Surfactants
6	라우레스-7	LA-7	Surfactants
7	글리세린	Glycerin	Moisturizing
8	소듐벤조에이트	Sodium benzoate	preservation
9	라우레스-9	LA-9	Surfactants
10	에탄올	Ethanol	solvent

All ingredients may be changed.

SPECIFICATION

SELLING POINT

IMAGE

EWG green grade kitchen detergent



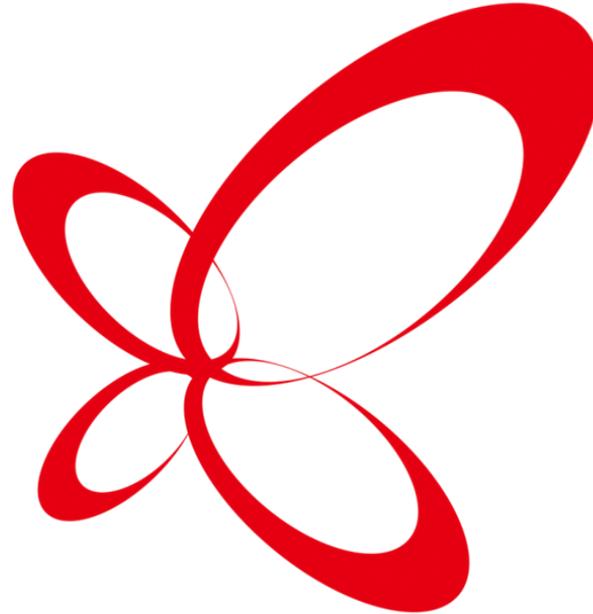
- 1) **Coconut**-derived surfactant
(Lauryl glucoside, lauramidopropyl betaine)
- 2) Moisture-strengthening with **natural moisturizing ingredients** (shea butter)
- 3) Contains **natural antimicrobial ingredients**
(Grapefruit, citron, eucalyptus leaf, gosam extract)
- 4) Use of food added flavoring



Volume	500ml	SKU	1
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Contact Information

Since 1986



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