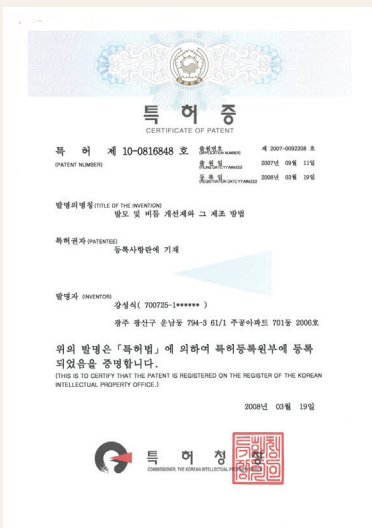




Duallife Co.,Ltd.

Ingredients from the Nature
DAMOAE & DAAEMI

www.duallife.co.kr / www.damoae.com



- **Company Name** | DUALLIFE Co.,Ltd.
- **Established** | December 28, 2004
- **CEO** | Kang Sung Sik
- **Business Line** | Functional cosmetics, Natural material development, OEM, ODM
- **Production Facility** | Extraction and ripening tank 0.5ton×3units, Homomixing tank 1.0ton×1unit, Homomixing tank 0.5ton×1unit, etc.
- **Capacity** | 1ton / day
- **Business Address** |
Head office and factory : Biopharmaceutical Research Center, Sandan-gil 12-55 Hwasun-eup, Hwasun-gun, Jellanam-do, Korea
Branch : 303, 181 Hwajeongcheonseo-ro, Choji-dong, Danwon-gu, Ansan-si, Gyeonggi-do, Korea

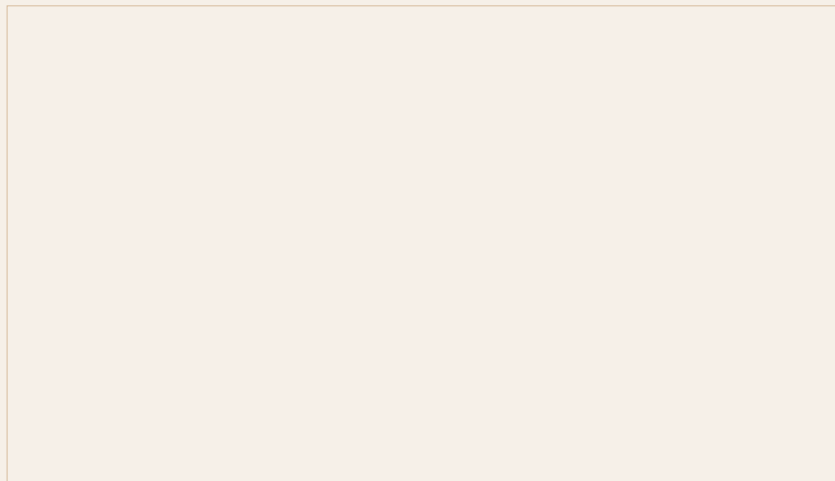
Duallife is the company that thinks through from the customer's perspective. Based on this commitment we will always listen customer's advices and provide high quality of products and services. Furthermore we will never stop putting an effort for research and develop to satisfy customer's expectation

Since established in 2004, our company has focused on research and development to launch our own products using safe and high quality ingredients, and the company obtained KFDA approval of cosmetics manufacturing business, quasi drugs manufacturing business, licensed item in 2007 and 2010. In 2011 and 2012, the shampoo and tonic were approved as the OTC from FDA, and obtained a permission of import cosmetics for manufacturing and selling from PDMA in 2012, and obtained CFDA hygiene license in 2013 and 2014. And since 2012, we have exported our shampoos and tonics several Asian countries such as Japan, China, and Singapore. In 2011 we established research institute for developing more safe and effective high performance hair care products, and we have applied ISO9001 system to our work to maintain high level of total quality control.

we will always try to use the safe and high quality ingredients, and with our own technology we will develop healthy and multi-functional products that fulfill our customer's needs.

CEO of DUALLIFE Co.,Ltd.

Kang Sung Sik



Duallife Co.,Ltd.

Business Line

Functional Cosmetics

Damaoe Therapy Gold Shampoo /
Hair Tonic (Anti-hair loss product, rinse function included)
Atopy skin improving Atozyme / Development of skin whitening Ariyan.

Herbal Medicine Material Development

Natural material / Herbal medicine material /
Development of seaweed cosmetics and pharmaceutical materi-
als.

OEM

Established production facility
(Capacity of 1 ton/day)

ODM

Duallife develops and manufactures a
product and the clients sell the
product with their own brand.

History

- 2018.01 Excellence award of year 2017 among brand new product from hankook daily News
Reassigned venture company
Reassigned company' s affiliated research institute
- 2017.12 Obtained ISO 9001&2015 certification
- 2017.10 Approval of the functional cosmetics from Ministry of Food and Drug Safety
- 2017.09 Damoae therapy gold shampoo was selected as the Hit500
- 2016.12 Reassigned promising export small&middle size business
- 2016.08 Reassigned main Biz certification
- 2015.12 Designated as the medium&small size business of convergence of agriculture, industrial and commerce
- 2015.08 KFDA approval of listing hair growth products
- 2014.12 Commendation from Governor of Jeonnam Province
- 2014.09 Development of the material for hair growth using natural source
- 2014.08 Capital Increase (50 million KRW → 2.5 billion KRW)
- 2013.10 Main Biz Certification
- 2013.07 Daemi shampoo and tonic obtained CFDA hygiene license
- 2012.08 Alginic acid extracting method and atopic treatment by using alginic acid oligomer (Patent 10-1177009)
- 2012.04 Designated as IP Star Company (the Mokpo Chamber of Commerce & Industry)
- 2012.02 Acquired approval for Damoae Therapy Hair Tonic by USFDA
- 2011.12 Selected as agriculture, industry, commerce convergence type small and medium business
- 2011.08 Certification of company affiliated research center (KOITA)
- 2011.07 Registration of Damoae Therapy in USFDA OTC
- 2011.01 Acquired ISO 9001: 2008 (Quality Management System Certification)
- 2010.08 Selected for HIT500 (Damoae Therapy) by SBC
- 2010.07 Acquired Quasi drug permission for Damoae Therapy Tonic Liquid
- 2010.04 Acquired Quasi drug permission for Damoae Therapy Shampoo Liquid
- 2010.01 Acquired Quasi drug manufacture permission (No. 41) from Gwangju Regional FDA
- 2010.01 Designated as Venture Business (Korea Technology Finance Corporation/ No 20100100299)
- 2009.10 Selected for Regional Strategy Planning Technology Development Project by Ministry of Knowledge Economy
- 2009.05 Established mass production facility (Center Bio Base Construction Area C of Jeonnam Biomedical Research)
- 2008.07 Selected as excellent small and medium business 'Good Products' campaign by Hankyoreh Newspaper
- 2008.04 Selected as Top Brand by Sports Seoul
- 2008.03 Selected as Promising Brand by the Kyunghyang Shinmun
- 2008.03 Released Damoae product (多毛愛 Hair Tonic, 多毛愛 Luxury Shampoo)
- 2008.03 Registration of patent on hair growth, dandruff improvement and its manufacturing method (Patent No.10-0816848)
- 2007.10 Moved business site (2nd floor, Jeollanam-do Bioindustry Foundation, 121 Naepyeong-ri, Hwasun-eup, Hwasun-gun, Jeollanam-do)
- 2007.08 Cosmetics manufacturing business declaration and permission to Gwanju Regional FDA (No. 53)
- 2007.07 Changed business name (Registration of change into Dual Life Co., Ltd)
- 2007.06 Selected as academic and research institutions in 2007
- 2007.04 Change of CEO and Acquisition of company (Inauguration of CEO Kang Sung Sik)
- 2004.12 Established Drugs Life Co., Ltd (December 28, 2004)



Damoae Therapy Gold shampoo
Damoae Therapy Gold Hair Tonic



Duallife
Co.,Ltd

Qualité De La Nature
DAMOAE

SUI...

Duallife Co.,Ltd.

Ingredients from the Nature
DAMOAE & DAAEMI



Contents

**Main Products
Introduction**

–

**Clinical Test on
human body**

–

Natural Ingredients

–

Permitted Ingredients

01

Main Products Introduction

Functional Cosmetic



**Damoae Therapy
Gold Shampoo**

- Completed clinical test (KFDA regulation)
- Volume: 400g
- Retail Price: 32,000KRW



**Damoae Therapy
Gold Hair Tonic**

- Containing more than 98% of oriental herbal medicine extract
- Volume: 100ml
- Retail Price: 32,000KRW





Daaemi Luxury shampoo

- Acquired CFDA sanitary permission
- Volume: 400g
- Retail Price: 32,000KRW



Daaemi Hair Tonic

- Acquired CFDA sanitary permission
- Volume: 100ml
- Retail Price: 32,000KRW

01

ODM Product

Cosmetics



**Black
Mobaldowon
Shampoo**



**SEOLWASONG
Doctor Shampoo**



**WASONG
Shampoo &
Body Cleanser**



SIDMOOL
Red Ginseng
Mobaldowon
Shampoo



THERAPY-
TION Hair
Tonic



FLAMBO
Shampoo



Dr. story
Hair Balance
Shampoo /
Tonic

02

Proved the effectiveness
by 2 times of clinical
tests on human body



01 The main ingredient of Damoae has been permitted as the first natural citrii unshiu immature peel extract powder material, and Damoae is the first permitted hair loss symptom relief single material product (Korea's first technology).

02 The clinical test on human body of Damoae is on another level

03 Only natural essential oils are used for Damoae

04 Damoae is the only product in Korea that contains more than 60% of natural oriental herbal raw material

05 Chemical synthetic main ingredients are used for all hair loss symptom relief products in Korea

06 Damoae's effect and efficacy on hair loss symptom relief and hair thickness increase has been proved by government audit in 2015

07 Damoae has a rinse and treatment function

08 Chemical synthetic raw materials are excluded in Damoae

09 Damoae has completed two clinical tests on human body

10 Damoae's patent – Hair growth, dandruff improvement, and its manufacturing method

11 Damoae moisturizes the skin without any trouble even after long period contact

12 Damoae has been certified by US FDA and CFDA

02



Like an expression ‘there is no ham in hamburger’, there is no anti-hair loss clinical test results in anti-hair loss shampoo



There are only 4 products, approved according to the clinical test standard of KFDA, among 821 products permitted by KFDA.

Almost anti hair loss shampoos were permitted as quasi drugs without clinical test if they use the notified ingredient from KFDA.

No	Item name (Permission date)	Test results					
		0 week		16 weeks or 20 weeks		Variation**	
		Number of hairs (n/cm ²)	Hair diameter (mm)	Number of hairs (n/cm ²)	Hair diameter (mm)	Number of hairs (n/cm ²)	Hair diameter (mm)
1	Amorepacific Co., Ltd. Ryo Jayangyunmo Shampoo Liquid (Feb 20, 2012)	100.6	0.0681	108.5*	0.0685*	7.9	0.0004
2	Amorepacific Co., Ltd. RH Shampoo (Aug 2, 2012)	111.6	0.0681	119.7	0.0684	8.1	0.0003
3	Somang Cosmetics Co., Ltd. Flor de Man RG III Hair Loss Clinic Shampoo Liquid (Apr 29, 2014)	124.0	0.079	128.5	0.082	4.5	0.003
4	Damoa Therapy Gold Shampoo (Aug 31, 2015)	111.6	0.073	123.0	0.090	11.4	0.017

* 20 weeks test result ** 16 or 20 weeks test result - 0 week test result = Variation

※ The above data are compiled from the National Assembly audit press release of Moon Jeong Lim, assembly man of the national health and welfare committee by us

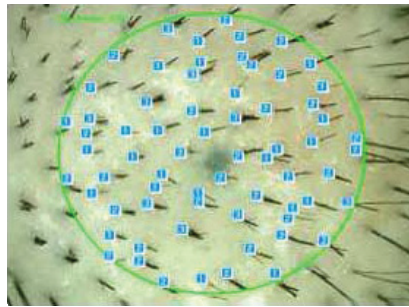
Damoa Therapy Gold Shampoo is the most effective shampoo among the 4 products that have completed clinical test.

02

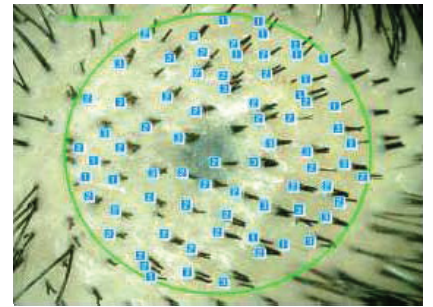
Clinical Tests for Anti-hair Loss and Hair Growth Effects

Measurement of hair amount
(Hair density)

[Laboratory: P&K Skin Clinical Research Center Co.,Ltd. / Total number of subjects : 43 persons / Period : 16 weeks]



Shampoo excluded active ingredients

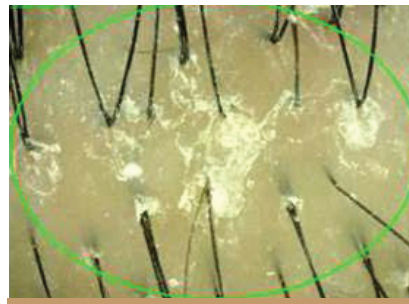


Damoa Therapy Gold Shampoo

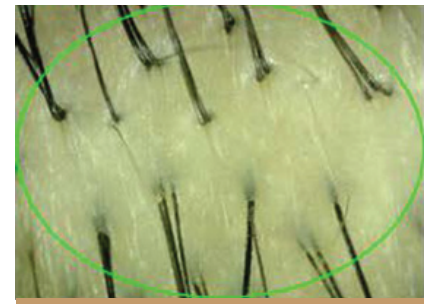
Clinical Test for Dandruff and Itchiness Improvement

Measurement of dandruff relief

[Laboratory: P&K Skin Clinical Research Center Co.,Ltd. / Total number of subjects : 46 persons / Period : 4 weeks]



Shampoo excluded active ingredients



Damoa Therapy Gold Shampoo

Primary stimulation test on human skin

Skin irritation index

0.00 ~ 0.25

0.26 ~ 1.00

1.01 ~ 2.50

2.51 ~ 4.00

Classification

Non-irritating

Weak irritation

Moderate irritancy

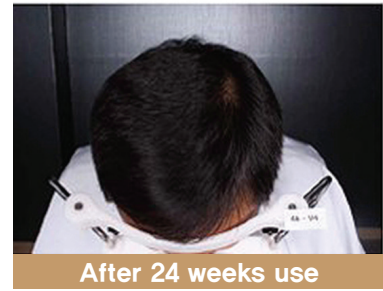
Strong irritant

Result

Skin irritation index : 0.11
Skin irritation degree: Non-irritating

[Laboratory: P&K Skin Clinical Research Center Co.,Ltd. / Total number of subjects : 31 persons / Period : 24 hours]

Helpful to hair loss relief

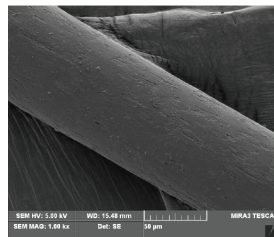
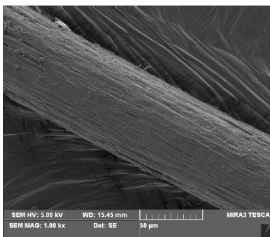


[Laboratory: KC Skin Clinical Research Center Co.,Ltd. / Total number of subjects : 47 persons / Period : 24 weeks]

Evaluation on the Recovery Rate of Damaged Hair

Evaluation on the Recovery Rate of Damaged Hair with Medicinal Plant Extract

(magnification : × 1,000)



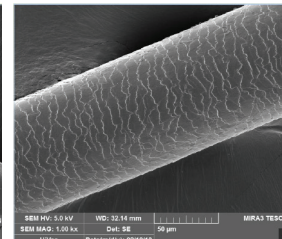
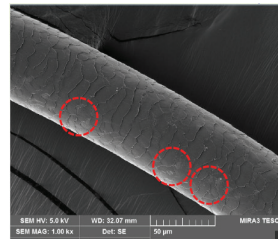
Hair not soaked in the medicinal plant extract

Hair soaked in the medicinal plant extract for ten minutes

Damaged hair began to recover after soaking in the medicinal plant extract contained in the Damoae Therapy Gold Shampoo.

Evaluation on the Recovery Rate of Damaged Hair after Using the Shampoo for Two Months

(magnification : × 1,000)



Damaged hair due to dyeing

Hair after using the shampoo for two months

It was observed that the cuticles of dye-damaged hair became denser and its thickness changed from 60 μ m to 90 μ m after using Damoae Therapy Gold Shampoo for two months.

02

Hair tensile strength test

Classification	Average tensile strength(N)
A company OO shampoo	0.92
B company OO shampoo	0.81
C company OO shampoo	0.87
Damoae Therapy Gold Shampoo	1.09

Differences with the other anti-hair loss shampoos

01

Viscosity change

The viscosity gets a bit thinner depending on storage period and conditions by using natural thickener

02

Reverberation

The reverberation time gets shorter after shampooing by using natural essential oils

03

Slippery

Slippery can be felt individually, but there is no need to use additional rinse

04

There is no skin irritation after long term contact on skin

05

Multiple Functions

With one shampoo, you can relieve hair loss symptoms, improve dandruff, relieve scalp itching, rinse function, and body shower due to skin moisturizing

06

Natural oriental medicinal hair loss care shampoo, which contains more than 60% of natural oriental medicinal raw materials without using any of synthetic preservatives, pigments, flavoring, and silicon oil, harmful to human body.

07

The product, for which all tests have been completed in the clinical test laboratory according to the reliable quasi drug guideline of KFDA

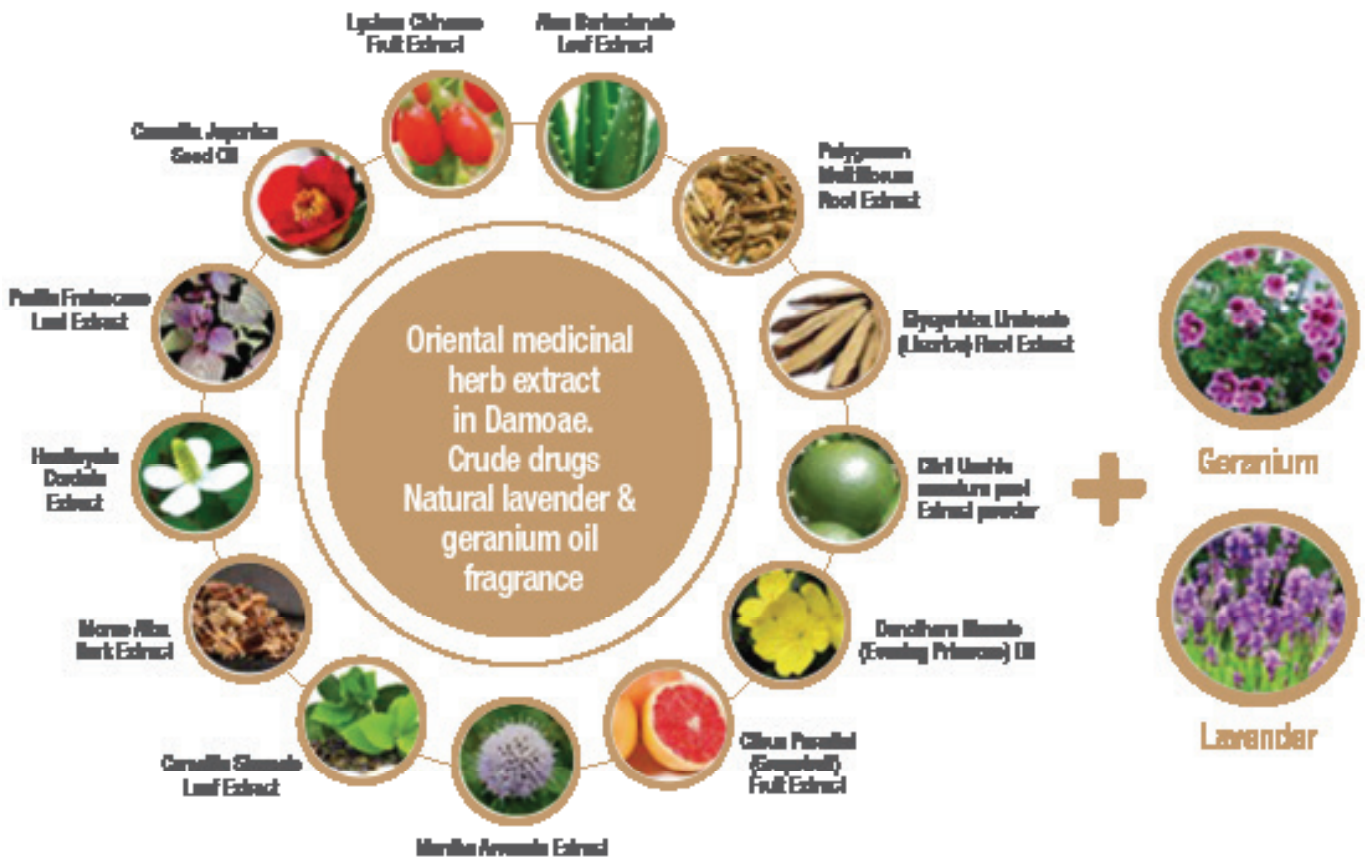
08

It is a product, permitted as main ingredient for anti-hair loss and hair thickness growth by specializing hesperidin of citrii unshiu immature peel extract powder extracted from natural mandarin peel other than notified synthetic hair loss symptoms relief raw material.



03

Formulated with Safe Ingredients



Use of safe raw material

Hair loss relief, excellent dandruff, itching improvement and hair growth

KFDA functional cosmetics item permission, U.S. FDA OTC registration, CFDA sanitary permission

It has been exporting, as its efficacy and effectiveness are recognized in over-seas

| Duallife |

Specialized in natural raw material main ingredients

Registration of natural material Citrii Unshiu Immature peel Extract powder, as main ingredient first time in Korea.

Completed a clinical animal test for anti-hair loss effects
 Completed a clinical human test for anti-hair loss effects
 Completed a clinical skin irritation test
 Completed a clinical test for relief of dandruff and itchiness



We have completed all the above clinical tests for Damoae Therapy Gold Shampoo and acquired product approval from the KFDA as for “anti-hair loss and hair thickness increase”. In particular, we have completed two human tests to validate its anti-hair loss effect.

Item	Anti-hair loss shampoos from other Companies	Damoae Therapy Gold Shampoo
Major ingredient	Niacinamide, Dexpanthenol, Biotin, Zinc Pyrithione, etc. [All other anti-hair loss shampoos in Korea use these KFDA-approved ingredients]	Citrii Unshiu Immature peel Extract powder (Specialization natural material)
Flagrances	Combination fragrances – Floral scent, etc.	Natural essential oil – Geranium, Lavender, Orange, etc.
Preservative	Synthetic preservatives – Sodium Benzoate, Methylchloroisothiazolinone, etc.	Natural preservatives – Bioactive medicinal plants
Surfactant	Sulfate surfactants – Ammonium Lauryl Sulfate, Ammonium Laureth Sulfate, etc.	Non-sulfate surfactants – Disodium Laureth Sulfosuccinate, Coco-Betaine etc.
Silicon oil	Dimethicone	Not added
Content of Korean Medicinal Herbs	Less than 30%	Over 60%

15 None ;
Free from harmful ingredients

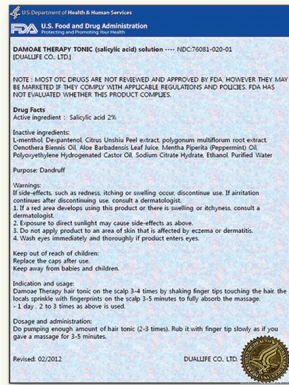
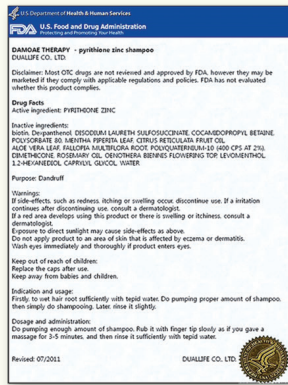
Anionic surfactant (Sulfate-base surfactant)
Methyl paraben
Ethyl paraben
Propylparaben
Butyl paraben

Isopropylparaben
Isobutylparaben
Phenoxyethylparaben
Phenoxyethanol
MIT
CMIT

Artificial (synthetic) pigment fragrance
Artificial (synthetic) Silicone oil series
Synthetic oil

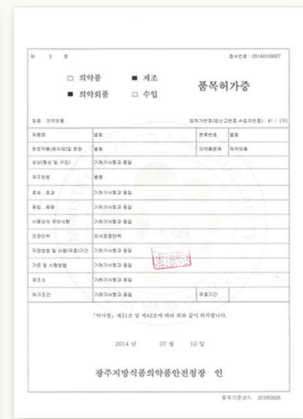
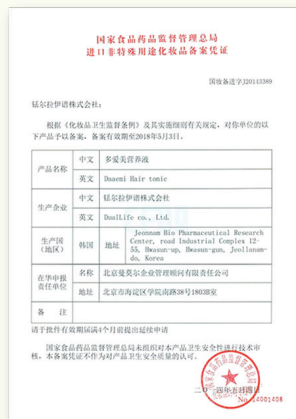
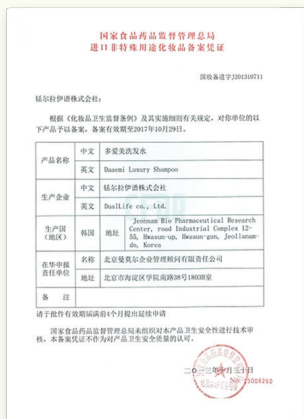
04

Approvals and Certifications



FDA OTC Drug Facts registration of Damoae Therapy Shampoo & Hair Tonic

ISO 9001(Quality management) certification



Damoae Shampoo & Hair Tonic CFDA (Chinese sanitary permission)

KFDA permission of Damoae Therapy Gold Shampoo & Gold Hair Tonic



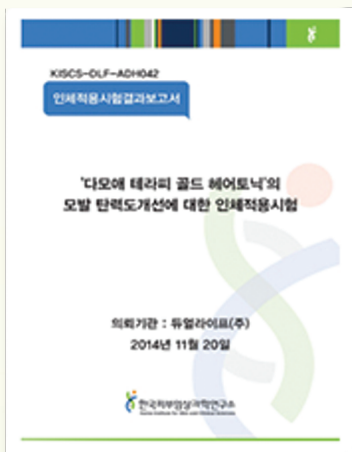
Report of research result [PNK-14619-UIR]



Report of research result [PNK-14618-UIR]



Report of research result [PNK-14212-12R]



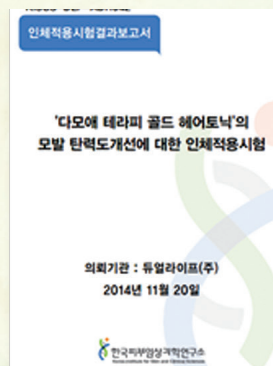
Report result of human body application test



Patent [Patent No. 10-0816848]



Patent [Patent No. 10-1177009]



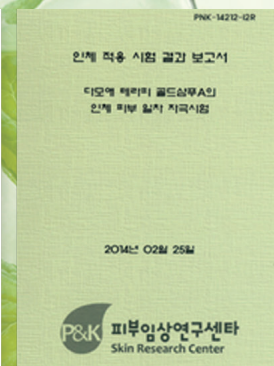
Report result of human body application test



KFDA quasi drug manufacturing item permission - hair tonic



KFDA quasi drug manufacturing item permission - shampoo



Report result of human body application test



“

Healthy Beauty from the nature

We will use the safe and high
quality ingredients from the nature
to create healthy cosmetics that
reflect the beauty of the
environment and human

”



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