

‘ALACELL Trouble care serum’ (ACN1 acne home care solution)



Uniquemedicare developed new material- ALACELL(ALA+Peptide)- effective in Acne with top-level technology based on ALA

ALA
(5-Aminolevulinic acid)

ALA is one of the intermediate Tetrapyrrole biosynthesis in the organism, it has few side effects, environmentally friendly biological (natural metabolism) material. It has an immune strengthening effect, promotes the growth of organisms or inhibits the growth of organisms without resistance occurs.

ALA+Peptide

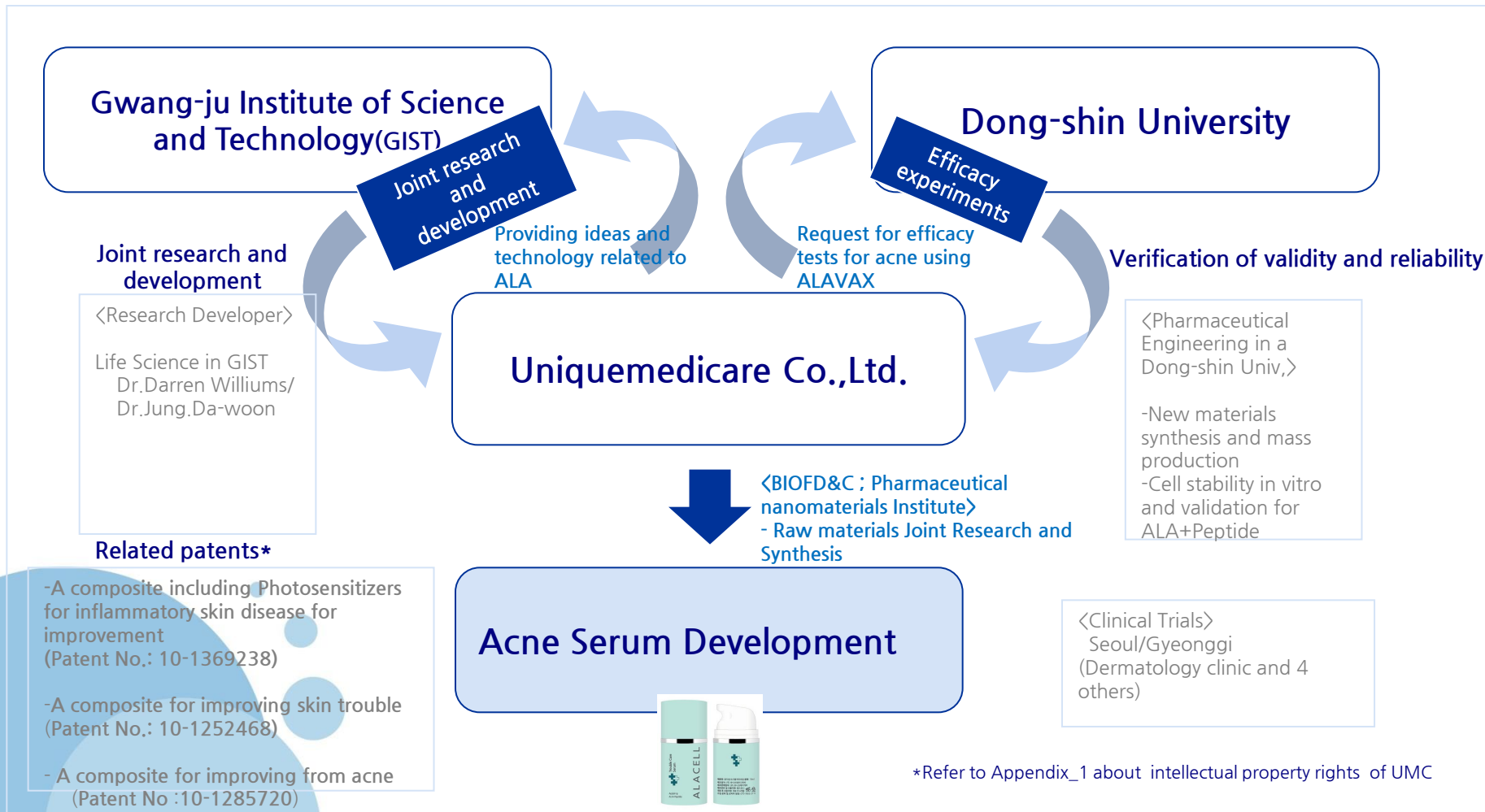
We have developed a ALA+Peptide new material as the world's first synthetic technology. We were to complement the disadvantages(Low skin penetration, and toxicity by UV) of ALA that there is excellent effect to such improvement of your skin trouble and we combined ALA with Peptide, which has whitening, wrinkle improvement, UV-blocking, skin regeneration effect, the protective effect of the skin.

ALACELL
(ALA+Peptide)

ALACELL which was developed is a new material that can be used to maximize the improvement of acne. it was completed a listing on the ICID and verified the stability of the trouble of excellent skin.

* refer to Appendix-2 about the registration of ALACELL as a cosmetic ingredient

The joint research with GIST and development an acne care serum applying ALA+Peptide through the efficacy experiments with Dong-shin University



Development two types -Hospital and Homecare- applying to ALA-Peptide in accordance with the purposes

Hospital products



- Product : ACN1
- the main component : Methyl Aminolevulinate 13%
- Packing : 1ml x 3syringe/box

- + As the new Photosensitizer that has 13 percent of Methyl Aminolevulinate for the application of PDT(Photodynamic Therapy), which increases an oleophilic. that makes Skin transmittance and treatment effect to be maximized.

www.uniquemedicare.co.kr

Home-care products



- Product : ALACELL Trouble care serum (ACN1 acne home care solution)
- the main component : ALACELL
- Packing : 15ml

- + In parallel with PDT treatment, Acne serum (Home care) applying to a new material(ALA-Peptide) combined ALA(5-Aminolevulnic) and Peptide, which is effective on improving acne.

Appendix

A status of intellectual property rights, Unique Medicare



patent

Patent No.: 10-1369238
 Registration date: 2014.02.25
 Patentee Unique-Medicare Co.,Ltd.

Title of the invention:
 A composite including Photosensitizers for inflammatory skin disease for improvement



patent

Patent No.: 10-1252468
 Registration date: 2013.04.03
 Patentee: Unique-Medicare Co.,Ltd.

Title of the invention:
 A composite for improving skin trouble



patent

Patent No.: 10-1285720
 Registration date: 2013.07.08
 Patentee: Unique-Medicare Co.,Ltd.

Title of the invention:
 A composite for improving from acne

Registered in ICID(international cosmetic ingredient dictionary) is
“ALACELL”, Unique Medicare Co.,Ltd



September 18, 2012

Sanghyun Moh
Bio-FD&C Co., Ltd.
24BL-8LT, Namdong Ind. Complex, 451-7
Nonhyun-Dong, Namdong-Gu
Incheon 405-849
Republic of South Korea

PCPC File No. 24411

Dear Sanghyun Moh:

In response to your Form TN submission(s) for the assignment of the International Nomenclature Cosmetic Ingredient (INCI) name(s) to your material(s), please be advised that the International Nomenclature Committee has completed its review of your request.

The name(s) assigned to your material(s) is listed on the attached printout. Please check the printout for accuracy, and advise if revisions are needed.

Your name assignment(s) will be published in future editions of the *International Cosmetic Ingredient Dictionary and Handbook* and the *International Buyer's Guide*.

Petitions requesting the revision of an INCI name assignment must be filed on Form TN and accompanied by a cover letter which explains the reasoning for the change. Relevant information on chemical composition or other criteria which support the revision should also be included with the petition.

In addition, be advised that nomenclature assignments are subject to change if deemed necessary for technical accuracy or other reasons as determined by the International Nomenclature Committee.

We trust this information is helpful.

Sincerely,

Tara E. Goltschalk
Manager - Cosmetic Ingredient Database

PCPC FILE NUMBER: 24411

TRADE NAMES WITH ASSIGNED INCI NAMES

Enclosure

TRADENAME: Alacell
Assigned INCI Name(s): MonoID: 27005 Aminolevulinoyl sh-Pentapeptide-19

Appendix_3

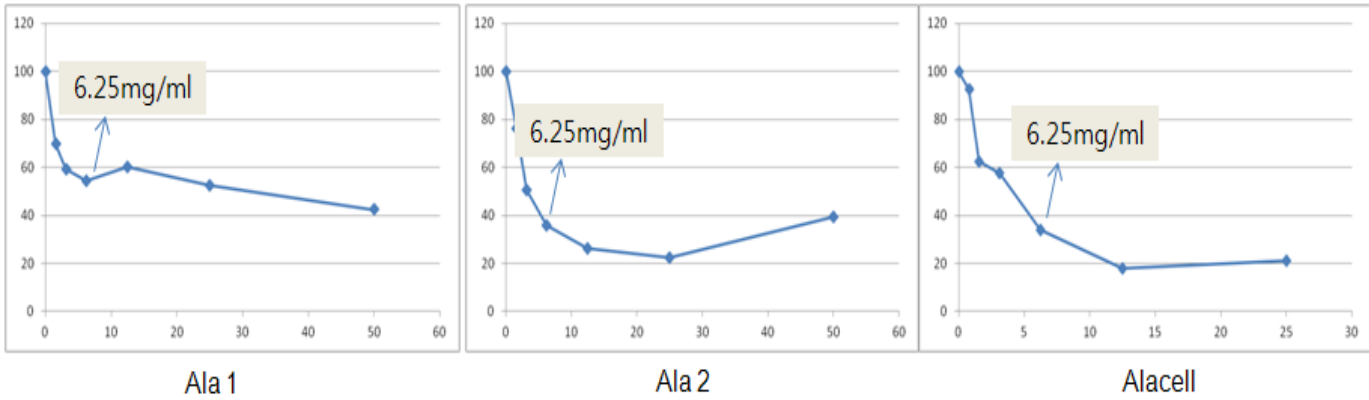
Clinical Trials conducted in Seoul/Gyeong-gi using ACN1-ALACELL(ALA+Peptide) (at D Dermatology clinic and 4 others)

- Place : D dermatology clinic and 4 others in Seoul/Gyeong-gi
- period : July,2010~ Nov,2010
- subjects : 38 people



The result of Acne Serum applying to ALACELL(ALA+Peptide)

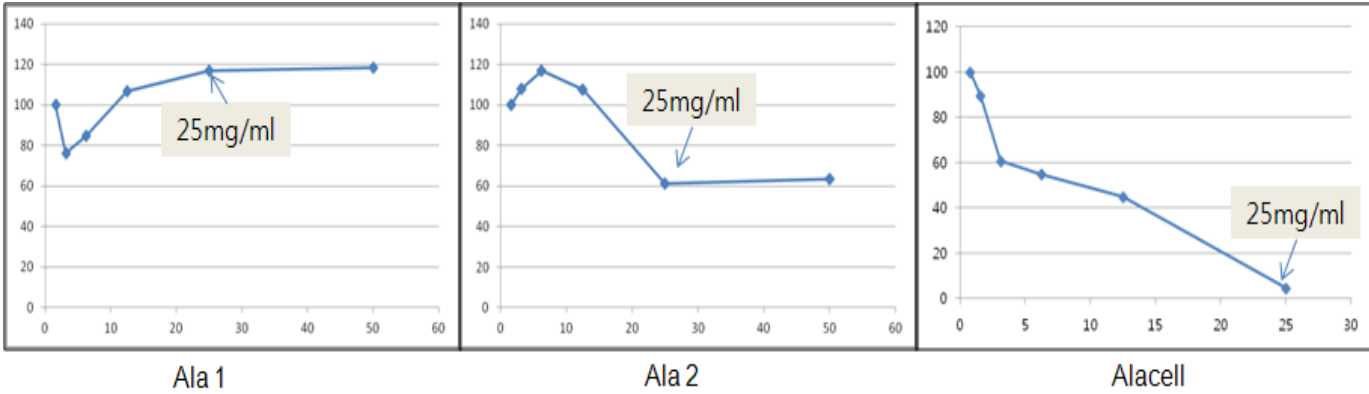
◁Antibacterial test▷ By using Minimal Inhibitory concentration, MIC
Antibacterial test to Propionibacterium which is the main bacteria of acne



- Ala2 shows Inhibitory activity effect about 65% at 6.25mg/ml as same density as Ala1
- At 6.25mg/ml density, Alacell shows **inhibitory effect about 67%**

The result of Acne Serum applying to ALACELL(ALA+Peptide)

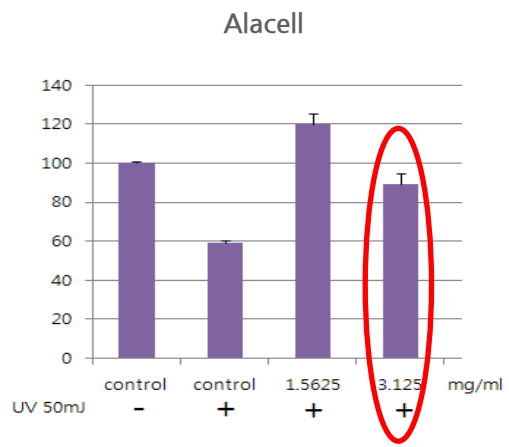
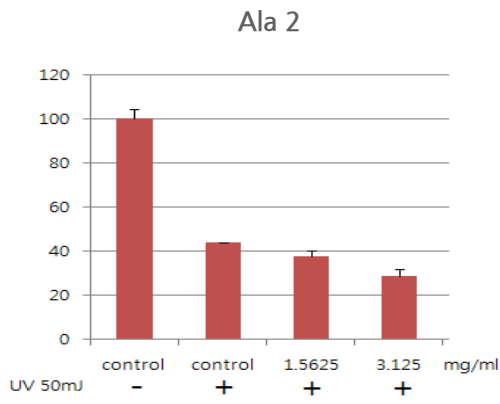
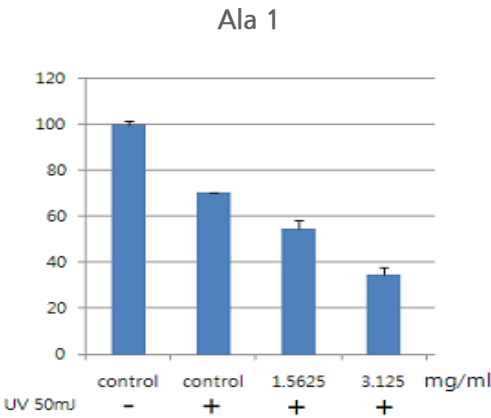
Sterilizing power test using Minimal Inhibitory concentration, MIC about Staphylococcus aureus which is the main reason of skin trouble in Alacell



- There was little effect on S. aureus bacteria. In Ala2 case, it was revealed approximately 40 percent of blocking harmful activity on 25mg/ml concentration
- **In the case of Alacell, approximately 95 percent of the inhibitory effect was observed on 25mg/ml concentration**

The result of the experiment about Acne serum applying to ALACELL(ALA+Peptide)

The test how ALACELL covers damages that is by UV-B on HaCaT



- In contrast to no cell recovery effect on Ala1 and Ala2, 1.5 times more cell recovery effect was confirmed on 3.125mg/ml concentration

Patch test using "ALACELL Trouble care serum" - ALACELL(ALA+Peptide)


The test was conducted by P&K Co.,Ltd(Skin Research Center)

시험결과보고서
FNK-15728-14R

TX, 트라블케어 솔루션의 인체 피부 일차 자극시험

의뢰기관 : ㈜유니크메디케어

2015. 08. 11



제 출 문

피렌케이피부일상연구센터는 ㈜유니크메디케어에서 의뢰한 "TX, 트라블케어 솔루션의 인체 피부 일차 자극시험"을 위탁받고, 기술성 최종공시서에 관한 규정(식품의약품안전처 고시 제2015-14호) 및 피렌케이피부일상연구센터 표준시험방법(SOP)에 따라 시험을 성실히 수행하여 그 결과를 다음과 같이 보고합니다.


2015. 08. 11.

시험유형기관 : 피렌케이피부일상연구센터 대표이사 박진호 (인)

시험목적자 : 피렌케이피부일상연구센터 소장 곽형준 (인)
중앙대학교 의료원 피부과 교수

시험담당자 : 피렌케이피부일상연구센터 책임연구원 석정미
피렌케이피부일상연구센터 선임연구원 권아름
피렌케이피부일상연구센터 선임연구원 황승희
피렌케이피부일상연구센터 연구원 이현나
피렌케이피부일상연구센터 연구원 이시은
피렌케이피부일상연구센터 연구원 이재희
피렌케이피부일상연구센터 연구원 김민아
피렌케이피부일상연구센터 연구원 김은희
피렌케이피부일상연구센터 연구원 이은지
피렌케이피부일상연구센터 연구원 안은정
피렌케이피부일상연구센터 연구원 강우희
피렌케이피부일상연구센터 연구원 박기은
피렌케이피부일상연구센터 연구원 서소영


- 2 -



최 종 보 고 서

시험제목	TX, 트라블케어 솔루션의 인체 피부 일차 자극시험	
시험제출자	성명	피렌케이 곽형준 (인)
	소속	피렌케이피부일상연구센터/중앙대학교 의료원 피부과
	주소	서울특별시 강남구 테헤란로 7길 17 그린힐타워 202호
시험기간	2015년 07월 28일 ~ 2015년 07월 30일	
보고일	2015년 08월 11일	
시험기관	최초일	2015년 07월 09일
	시험명	피렌케이피부일상연구센터
	시험지	중앙대학교/중앙대학교의료원
	소재지	서울특별시 강남구 테헤란로 123 (호수동, 영우세화기초의원빌딩4층401호412호)
	담당자	왕아린 연구원
시험기관	시험명	피렌케이피부일상연구센터
	시험지	피렌케이피부일상연구센터
	소재지	서울특별시 강남구 테헤란로 123 (호수동, 영우세화기초의원빌딩4층401호412호) T: 070-7802-2111
	담당자	이현나 연구원
	주요	서울특별시 강남구 테헤란로 70 (호수동, 서커빌딩 1-2호) T: 02-6928-1801-8 F: 02-6928-1804


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결과 보고서 요약문

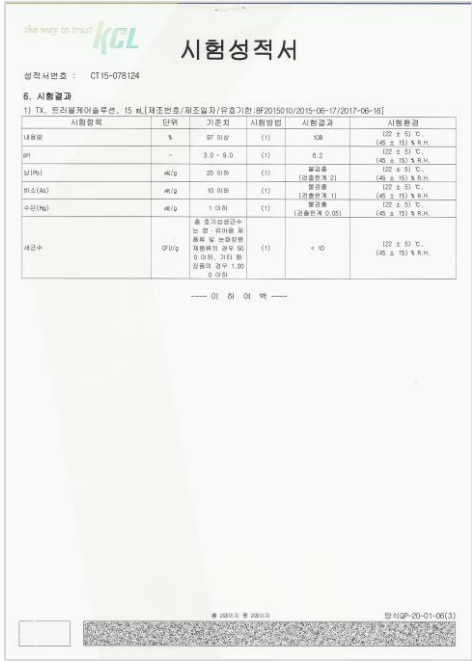
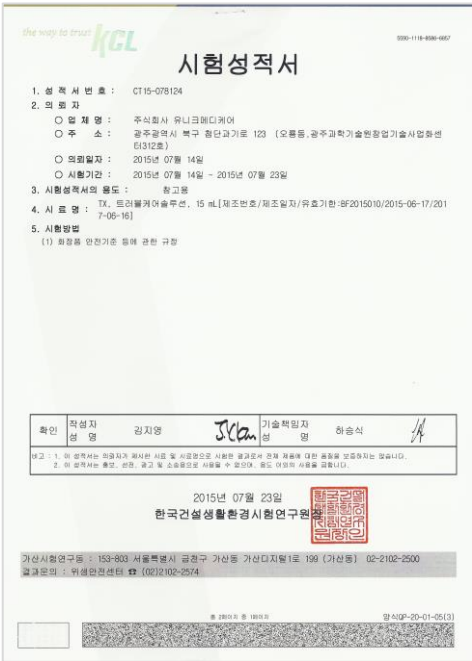
시험제목	TX, 트라블케어 솔루션의 인체 피부 일차 자극시험				
시험기관	피렌케이피부일상연구센터 시험기관번호: FNK-15728-14				
시험기간	2015년 07월 28일 ~ 2015년 07월 30일				
시험제출자	TX, 트라블케어 솔루션				
시험목적	TX, 트라블케어 솔루션의 인체 피부에 대한 일차적 자극 여부를 확인하고자 실시하였다.				
시험방법	1. 시험대상자 선정 : 연령조건을 만족하고 제외조건에 해당사항이 없는 성인 30명 이상 선정 2. 일차적 자극 : 시험대상자의 피부를 제외한 등리 평평한 부위로 자극이나 자극손상치 않는 부위 선정 3. 평가 - 시험대상자 사소한 자극, 피부손상, 피부염 - 평가항목 : 시험자 확인결과, 시험대상자 주관적 반응결과, 피부자극정도 평가방법 - French or Eiganen, CTTA, goldmann에 의해 평가				
시험결과	1. 시험대상자 - 최종 인원 30명 - 시험 종료 인원 30명 2. 결과 <table border="1" style="width: 100%; text-align: center;"> <tr> <td>시험대상자</td> <td>피부자극정도</td> </tr> <tr> <td>TX, 트라블케어 솔루션</td> <td>비 자극성</td> </tr> </table>	시험대상자	피부자극정도	TX, 트라블케어 솔루션	비 자극성
시험대상자	피부자극정도				
TX, 트라블케어 솔루션	비 자극성				
결론	TX, 트라블케어 솔루션은 24시간 경과후, 평균 적게 1시간, 24시간 후의 피부자극에 관한 시험을 확인하기는 충분한 결과, 시험대상인 TX, 트라블케어 솔루션은 비 자극성으로 판단된다.				

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- Step1: Patching ALACELL Trouble care serum for 24 hours
- Step2: Detaching ALACELL Trouble care serum
- Step3: Examining after 1 hour and 24 hours on skin
- As a result, ALACELL Trouble care serum does not irritate skin

Evaluation about Safety Standards of Acnes treatment using ALACELL (ALA+Peptide) (Test Result)



- Testing Institution : KCL (Korea Conformity Laboratories)
- Testing method: Cosmetics Safety Standard

Clinical Trials using "ALACELL Trouble care serum" - ALACELL(ALA+Peptide)



Clinical Trials using "ALACELL Trouble care serum" - ALACELL(ALA+Peptide)



Clinical Trials using "ALACELL Trouble care serum" - ALACELL(ALA+Peptide)

8 weeks later



Before

After

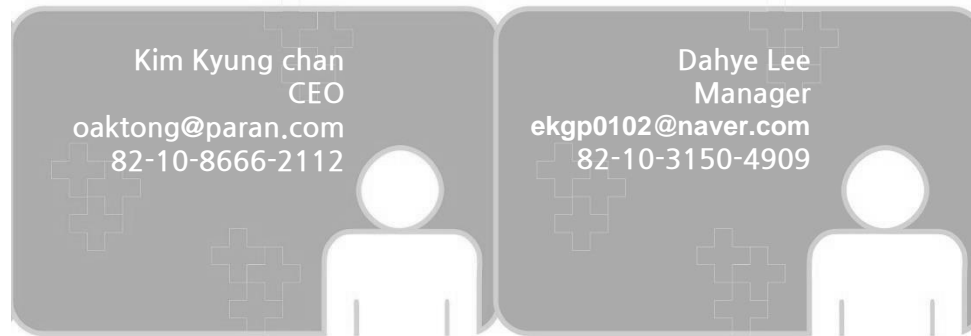
8 weeks later



Before

After

THANK YOU



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Cheomdan-gwagiro(Oryong-dong), Buk-gu, Gwangju, Republic of Korea.
Tel : 070-7802-2111