CLINICAL TRIAL REPORT

A Clinical Trial on the
Cleansing Effect on Impurities in Pores and Wrinkles
of the "**C'ENCIA 5-Product Collection**"

Test number: SM-LP02-24S19-305
Sponsor: Live PURE Korea Co., Ltd.

SKINMED

October 23, 2024

SKINMED
Cosmetic Clinical Trials Center

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ESTABLISHMENT/REVISION HISTORY

Establishment/Revision Number	Approval Date	Main Contents	Preparation	Approval
SM-LP02-24S19-305 24-N0157	-	Publication of final result report	Kim Mi Lee	Chang Min Youl

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TABLE OF CONTENTS

SUBMISSION 2

CERTIFICATE OF RELIABILITY OF ASSURANCE 3

SUMMARY OF TEST RESULTS 4

TEST CONTENTS 6

CONCLUSION AND SUMMARY 19

REFERENCES 20

TEST INSTITUTION INVESTIGATION REPORT 21

PROFILE OF PRINCIPAL INVESTIGATOR AND DERMATOLOGIST 23

PROFILE OF RELIABILITY ASSURANCE OFFICER 25

PROFILE OF PRODUCT MANAGEMENT MANAGER /PRODUCT ALLOCATION MANAGER 26

PROFILE OF HEAD OF CENTER AND FELLOW RESEARCHERS 27

Appendix 1. Subject Information

Appendix 2. Individual Data Analysis Results

Appendix 3. Image Data

Appendix 4. All Ingredients

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SUBMISSION

The Clinical Trial Center of SKINMED was commissioned by Live PURE Korea Co., Ltd. to conduct a clinical trial on the “Cleansing Effect on Impurities in Pores and Wrinkles.” The trial was faithfully carried out in compliance with the Guidelines for the Application and Testing of Cosmetics (Guideline-0333-02) by the Korea Food & Drug Administration, Test Method Guidelines for the Demonstration of Cosmetic Labeling and Advertising (Guideline-0353-02), Guidelines for the Management of Cosmetic Labeling and Advertising (Guideline-0086-04) as designated by the Ministry of Food and Drug Safety, and the Standard Operating Procedures (SOP) of SKINMED Clinical Trials Center, and they hereby submit the results as follows.

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October 23, 2024

Test institution	
Name of Institution	SKINMED Clinical Trials Center
Address	#304-2, 178, Noeun-ro, Yuseong-gu, Daejeon, Republic of Korea. Telephone: 070-5118-8404
Head of Center	Chang Min Youl (sign)
Principal Investigator	Dermatologist/Doctor of Medicine Lee Jeung Hoon (sign)

Sponsor	
Name of Company	Live PURE Korea Co., Ltd.
Address	20, Yeongdong-daero 96-gil, DaeHwa Building, 3F Gangnam-gu, Seoul
CEO	Woo Jin Hee
Person in Charge	Lee Hye Jeong

CERTIFICATE OF RELIABILITY OF ASSURANCE

I. Song Sang Hun, Reliability of Assurance Manager, SKINMED Clinical Trials Center, hereby verify that the clinical trial report on the plan, schedule, progress and record was prepared in accordance with the Guidelines for the Application and Testing of Cosmetics (Guideline-0333-02) by the Korea Food & Drug Administration, Test method Guidelines for the Demonstration of Cosmetic Labeling and Advertising (Guideline-0353-02), Guidelines for the Management of Cosmetic Labeling and Advertising (Guideline-0086-04) as designated by the Ministry of Food and the Standard Operating Procedures (SOP) of SKINMED Clinical Trials Center, and that the report faithfully displays the test results.

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· Title of Test: A Clinical Trial on the Cleansing Effect on Impurities in Pores and Wrinkles of the "C'ENCIA 5-Product Collection"

· Test Number: SM-LP02-24S19-305

· Product Number: 24-N0157

Inspection Details	Date of Inspection
Protocol	September 02, 2024
Test period	September 19, 2024-October 02, 2024
Data review	October 04, 2024-October 18, 2024
First report	October 21, 2024
Final report	October 23, 2024

Reliability Assurance Officer: Song Sang Hun (sign)

SUMMARY OF TEST RESULTS

Title of Test	A Clinical Trial on the Cleansing Effect of Impurities in Pores and Wrinkles of the “C'ENCIA PURE FOAM CLEANSER”
Test Institution	SKINMED Clinical Trials Center
Sponsor	Live PURE Korea Co., Ltd.
Purpose of Test	This test was conducted to confirm the effectiveness of the “C'ENCIA PURE FOAM CLEANSER” in cleansing impurities from pores and wrinkles.
Test Period	September 19, 2024-October 02, 2024
Test Number	SM-LP02-24S19-305
Test Product	C'ENCIA PURE FOAM CLEANSER
Number of Applications of the Test Product	Single Application
Instructions for Use of the Test Product	During cleansing, dispense an appropriate amount, lather it up, and rinse thoroughly with lukewarm water.
Subject	Male and female subjects aged 30-60 years who meet the inclusion and exclusion criteria. Final number of subjects for efficacy evaluation: 21 (dropouts: 1)
Test Method	1. Test site: Face 2. Measurement time: Before product application, After application of fine dust simulant, after product application 3. Evaluation items 3-1. Efficacy evaluation - Image Capture: Folliscope 5.0 - Image Analysis: Image-Pro 3-2. Survey evaluation for efficacy assessment - Subjects survey evaluation 3-3. Assessment of adverse events - Visual assessment by the researcher - Subjects survey evaluation 4. Statistical analysis method 4-1. SPSS version 26.0 software was used. 4-2. The significance level (α) was set at 0.05. 4-3. The Shapiro-Wilk test was used to verify if the data satisfied the normal distribution. 4-4. Based on the normality test, the analysis was conducted using the Wilcoxon signed rank test.
Test Result	In this test, 21 subjects who met the inclusion criteria and did not meet the exclusion or dropout criteria (dropouts: 1) were selected as the final participants.

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The data, with an average age of 51.10 years, was used for the result analysis.

1. Cleansing efficacy of impurities in pores and wrinkles

There was a statistically significant decrease after product application compared to after fine dust simulant application ($p<0.05$), with an improvement rate of 99.69%.

2. Survey evaluation

Question	Mean	Positive response rate (%)
		Score 4 or higher
After product application, it feels like impurities in pores and wrinkles have been cleansed.	4.48	100.0%
Satisfaction with the Test Product	4.43	100.0%

※ 5: Strongly agree, 4: Agree, 3: Neutral, 2: Disagree, 1: Strongly disagree

3. No adverse skin event was observed during the evaluation period.

Conclusion

As a result of the clinical trial, "C'ENCIA PURE FOAM CLEANSER" is deemed effective in cleansing impurities from pores and wrinkles after product application.

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TEST CONTENTS

1. PURPOSE OF TEST

The purpose of this test was to evaluate the human efficacy of “C'ENCIA PURE FOAM CLEANSER” in cleansing impurities from pores and wrinkles.

2. TEST PRODUCT

2-1. Test Product Information

Division	Details
Product Name	C'ENCIA PURE FOAM CLEANSER
Receipt Date	October 23, 2024
Product Number	24-N0157
Appearance	White cream

* The sponsor shall be responsible for the safety of the test product.

2-2. Instructions for Use of the Test Product

- Number of applications: Single Application
- Usage instruction: During cleansing, dispense an appropriate amount, lather it up, and rinse thoroughly with lukewarm water.

2-3. Management and Storage of Test Product

When receiving a test product, write the information such as recipient, receipt date, and test product number in the product management ledger. For standard products, store them in the product storage room for 2 years. In addition, all test products provided to subjects are collected after the clinical trial is completed and returned or disposed of at the request of the sponsor.

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3. INCLUSION AND EXCLUSION CRITERIA FOR SUBJECTS

3-1. Inclusion Criteria of Subject

- Adults aged 30-60
- Those who understand the purpose and content of this test and voluntarily sign the 'Case Report Form' prior to the test.
- Those who are healthy and do not have acute or chronic physical conditions, including skin disorders.
- Those who can be followed up with during the test period.

3-2. Exclusion Criteria of Subject

- Those who do not wish to participate or have not filled out Case Report Form.
- Those who are pregnant, nursing or intending to become pregnant within 6 months.
- Those who are treating or have treated skin diseases with external skin applications that contain steroids for at least 1 month.
- Those with sensitive and hypersensitive skin.
- Those who have abnormal skin findings such as spots, acne, erythema, and expansion of capillaries on the test site.
- Those who have used cosmetics or medications similar or equivalent to the test product on the test site within 3 months before starting the test.
- Those who have undergone a procedure on the test site within 6 months prior to the start of the trial.
- Those who have a mental illness, mental retardation disorder, etc.
- Those who are deemed ineligible to participate at the discretion of the researchers, aside from other reasons.

3-3. Subject Obligations

- Subjects are required to adhere to the test schedule and visit times.
- Subjects are required to refrain from taking any medications, quasi-drugs, or supplements that could affect the test.
- Subjects should refrain from causing irritation (friction) to the test site during the test period.
- Subjects were to refrain from drinking alcohol during the test period.
- Subjects were required to keep the information of this test confidential.

3-4. Dropout Criteria of the Subject

The subject was informed that they might be dropped, even during the test in the following cases:

- If unexpected reactions or side effects occur during the test
- If the test site is contaminated or exposed to the external environment due to negligence of subject
- If the test product is not applied to the test site in compliance with the method of use or, the

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compliance is not observed because the number of product applications is assessed to be more than 120% or less than 80% in the frequency of use that must be applied per week.

- When the subject withdraws their consent to participate
- If deemed difficult to track and perform evaluation
- In the event the subject has personal reasons to be dropped out
- Any participant who, in the judgment of the researchers, should not continue the test
- If the subject does not follow the restrictions or obligations of the test

* All subjects should be informed in advance that they can freely give up the test anytime if they wish to.

3-5. Compensation Measures when Adverse Events Occur

The SKINMED Clinical Trial Center did its best to ensure the safety of the subjects when conducting all tests and took prompt and appropriate measures to minimize unexpected adverse events. In response, the head of center and the research manager conducted and managed an investigation according to the guidelines. If an adverse reaction linked to the test (test product) occurred during the test related to this test, the test was stopped immediately, and if symptoms did not improve or other abnormal skin reactions occurred, a dermatologist was consulted for treatment. The research director and the sub-investigator took appropriate measures along with dermatological evaluation and recorded cases and situations in detail.

3-6. Confidentiality and Faithfulness of Subject Information

The confidentiality of the information of the subjects who participated in this test was guaranteed, and the test data was used to the extent that the identity of the subjects was not revealed for medical purposes. The subjects were required to keep the information obtained through this experiment confidential until the end of the experiment, and to prepare the data faithfully and honestly.

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4. TEST METHOD

4-1. Test Overview

This test evaluated the cleansing effect of impurities in pores and wrinkles of the test product requested by the sponsor. The test was conducted on adults aged 30-60, and the test product was applied according to the method of use. In addition, the evaluation was faithfully performed in accordance with the Standard Operating Procedure (SOP) of the center.

4-2. Test Period and Test Process

This test was conducted from September 19, 2024-October 02, 2024 and there was 1 visit in total. The protocol for each visit is shown in Table 1. below.

Table 1. Test process

Division	Visit 1		
	Screening / Before product application	After application of fine dust simulant	After product application
Drafting Case Report Form for subjects	✔		
Review of selection/exclusion criteria	✔		
Screening number assignment	✔		
Test product distribution		✔	
Evaluation of device	✔	✔	✔
Evaluation of adverse events			✔
Survey evaluation			✔
Test product retrieve & Confirmation of compliance			✔

4-3. Measurement Method

- Test site: Face
- Test period: Before product application, After application of fine dust simulant, after product application
- Test environment: Measurements were taken after the subject cleansed the test site and keep it dry under constant temperature and humidity (room temperature 20-24℃, humidity 40-60 percent) without direct sunlight and air movement to maintain consistent measurement conditions.

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4-4. Evaluation of cleansing impurities from pores and wrinkles

1) Image Capture

The test area was the facial region, and imaging was conducted using Folliscope5.0 (LeadM Co., Korea). To ensure standardization, the same researcher performed the photography, with fixed conditions (settings and magnification) for each capture.

Fig 1. Folliscope

2) Application of Fine Dust Simulant and Cleansing

The test area was the facial region, where a selected area (2 cm × 2 cm) was treated with a fine dust simulant solution (Carbon black, Particle size: 0.03 ~ 0.20 μm) diluted to a 10% concentration and applied at a volume of 2 μL/cm². The solution was applied between pores using a puff, followed by application of the test product to the area, which was then rubbed and rinsed off with running water.

3) Analysis of Impurities (Fine Dust Simulant) in Pores and Wrinkles

The images captured with Folliscope5.0 were analyzed using the Image-Pro software (Media Cybernetics, USA) to assess the area of fine dust simulant within pores. A decrease in the measurement value indicates a cleansing effect, and the unit is Pixel.

4-5. Assessment of adverse events

Subjects use the test product and conduct a questionnaire evaluation regarding the presence or absence of adverse events. If an adverse event occurs during the test period, record the symptoms (erythema, itching, stinging, burning, swelling, scaling, blisters, discharge) and write a detailed checklist for the level of irritation (0: none, 1: mild, 2: moderate, 3: severe). If they are no longer able to participate in the clinical trial due to an adverse event, the subject must write a 'Test participation waiver consent form' with their signature attached.

The subjects were closely observed and evaluated with visual inspection at each visit to ascertain whether adverse reactions (erythema, edema, scaling, itching, stinging, burning, tightness, prickling, and other adverse events) occurred.

The table for the presence and grading of adverse events are shown in Table 2.

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Table 2. The presence and grading of adverse events

Assessment of skin irritation (adverse event)

* Examine the subject's condition, record the type and site of irritation.

* Adverse grading

0: None (no adverse reaction), 1: Mild, 2: Moderate, 3: Severe (severe adverse reaction)

Erythema	Edema	Scaling	Itching	Stinging	Burning	Tightness	Prickling

4-6. Survey evaluation

Subjects evaluated for subjective evaluation and product preference evaluation after product application. Strongly agree-Agree-Neutral-Disagree-Strongly disagree were divided into five stages, and the results were summed up and expressed as a percentage.

4-7. Confirmation of compliance

The researcher confirmed the number of weekly uses based on the test product application log distributed to the subjects at each visit. In addition, it was confirmed that the subject was using the test product on the test site according to the usage and dosage.

4-8. Result Analysis

1) Cleansing Efficacy for Impurities in Pores and Wrinkles

The test site was measured three times using Folliscope 5.0, and the average value was used as the measurement. The evaluation compared measurements taken before product application, after fine dust simulant application, and after product application within the group.

2) Improvement rate (%) formula

$$\text{Improvement rate (\%)} \frac{\text{Adsorption amount after product application } (\Delta)}{\text{Adsorption amount after fine dust Simulant application } (\Delta)} \times 100$$

Adsorption Amount after Product Application (Δ): Measurement after fine dust simulant application – Measurement after product application

Adsorption Amount after Fine Dust Simulant Application (Δ): Measurement after fine dust simulant application – Measurement before product application

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4-9. Statistical Analysis Methods and Interpretation of Results

1) Statistical analysis methods

(1) The statistical analysis was conducted using SPSS version 26.0 software.

(2) The significance level (α) was set at 0.05.

(3) The normality test was performed using the Shapiro-Wilk test to verify if the data followed a normal distribution.

(4) Comparison within group

The test result data is analyzed using SPSS statistics, and statistical analysis is performed after the normality test. As a result of the normality test, if the Shapiro-Wilk significance probability satisfies normality with $p>0.05$, the parametric statistical method, Paired samples t-test, is used. If the significance probability does not satisfy normality with $p<0.05$, the non-parametric statistical method, Wilcoxon signed rank test, is used. The statistical analysis results indicate that there is an improvement effect by applying the test product when the significance probability is $p<0.05$ in the 95% confidence interval.

In this test, the normality of the test result data was confirmed through the Shapiro-Wilk test with a significance probability of $p<0.05$. Therefore, non-parametric statistical method, Wilcoxon signed rank test, was used.

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5. TEST RESULTS

5-1. Subject Information

The information of subjects who participated in the test is summarized in Table 3. below.

Table 3. Subject information

Total no. of subjects	No. of subject who failed or dropped out	No. of subjects who completed the test	Average age
22	1	21	51.10±4.323

The number of people who participated in this clinical trial was 22. Among the subject dropout criteria, there was 1 subject dropped out due to 'The reason for dropping out due to subject's personal circumstances', and the total number of subjects who participated in the test was 21. The average age of the subjects was 51.10, with a standard deviation of 4.323. The composition by the age of subjects is shown in Table 4.

Table 4. Information on the age of subjects who completed the test

	20s	30s	40s	50s	60s	Total
No. (%)	0 (0.0%)	1 (4.8%)	5 (23.8%)	15 (71.4%)	0 (0.0%)	21 (100.0%)

* Percentages are calculated with a margin of error ±1%.

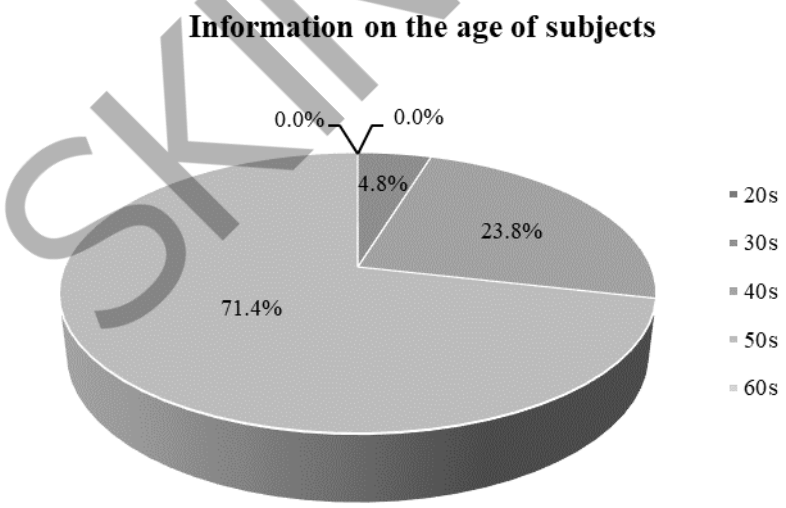

Fig 2. Information on the age of subjects

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5-2. Compliance Results

In this test, compliance with product usage was calculated as the percentage of the actual number of uses compared to the required number of uses. The final compliance rate for the 21 subjects who completed the test was 100.00%. Since no subjects had a compliance rate below 80% or above 120%, the data from all subjects were used in the result analysis. The compliance results are shown in Table 5.

Table 5. Compliance Results

Total no. of subjects	Compliance Rate (%)
21	100.00

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5-3. Measurement and Analysis Results

1) Cleansing Efficacy for Impurities in Pores and Wrinkles

(1) Statistical analysis

Table 6. Normality test results

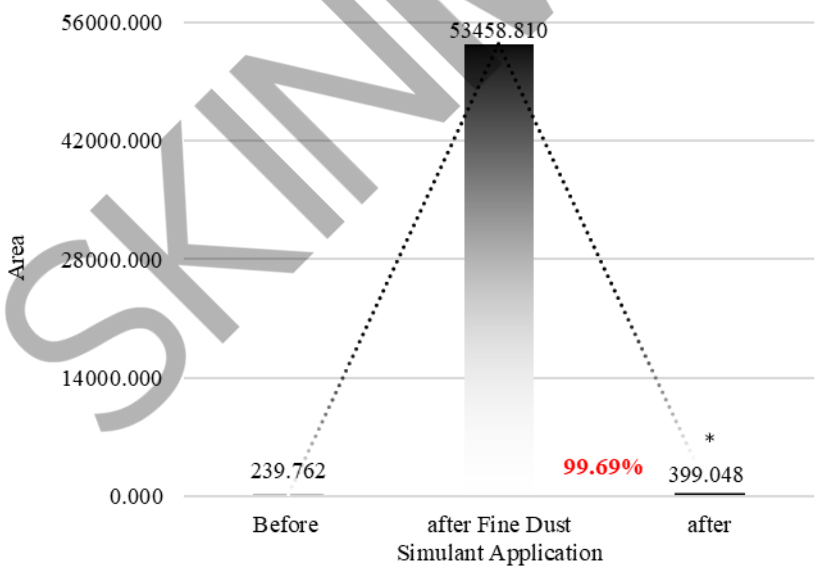
Measurement time	Statistics	Degree of freedom	Significant probability
After fine dust simulant application	0.960	21	0.512
After product application	0.880	21	0.015

(2) Measurement result

Table 7. Comparison results of measurements at each measurement time (Unit: Pixel)

Measurement time	Measurements (Mean±SD)	Improvement rate (%)	*p*-value
Before product application	239.762±208.3902	-	-
After fine dust simulant application	53458.810±17963.0054	-	-
After product application	399.048±301.6260	**99.69**	0.000 *

*) by Wilcoxon signed rank test (p<0.05). after Fine Dust Simulant Application vs after Product Application



*) by Wilcoxon signed rank test (p<0.05).

Fig 3. The measurement results of cleansing efficacy for impurities in pores and wrinkles

The measurement results of impurities cleansing efficacy in pores and wrinkles statistically showed a significant decrease as follows: Before product application with 239.762, after fine dust simulant application with 53458.810, and after product application with 399.048 (p<0.05). Compared to after fine dust simulant application, they showed a cleansing efficacy rate of 99.69% after product application.

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2) Representative image

Subject code: LP02-24S19-11

Before product application	After fine dust simulant application	After product application

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5-4. Assessment of Adverse Events

1) Assessment of adverse events by subjects

Table 8. Checking adverse events by subjects

Adverse events	After product application
No reaction	21 (100.0%)
Erythema	0 (0.0%)
Itching	0 (0.0%)
Stinging	0 (0.0%)

2) Assessment of adverse events by researcher

Table 9. Checking adverse events by researcher

Adverse events	After product application
No reaction	21 (100.0%)
Erythema	0 (0.0%)
Edema	0 (0.0%)
Scaling	0 (0.0%)
Itching	0 (0.0%)
Stinging	0 (0.0%)
Burning	0 (0.0%)
Tightness	0 (0.0%)
Prickling	0 (0.0%)

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5-5. Survey Evaluation

After product application, we conducted subjective questionnaire assessments and product preference evaluations for the test product and obtained the following results.

Table 10. Product satisfaction survey evaluation of subjects

Product satisfaction evaluation	Strongly agree Score 5	Agree Score 4	Neutral Score 3	Disagree Score 2	Strongly disagree Score 1	Mean	Response rate (%)	
							Score 3 or higher	Score 4 or higher
After product application, there is a feeling that impurities in pores and wrinkles have been cleansed.	9 (42.9%)	12 (57.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.43	100.0%	100.0%
Satisfied with the test product overall	10 (47.6%)	11 (52.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.48	100.0%	100.0%

※ Percentages are calculated with a margin of error ±1%.
※ Positive response rate (%) = Responses with the Score 4 or higher
※ 5: Strongly agree, 4: Agree, 3: Neutral, 2: Disagree, 1: Strongly disagree

Table 11. Survey on preferences

Preference evaluation	Strongly agree Score 5	Agree Score 4	Neutral Score 3	Disagree Score 2	Strongly disagree Score 1	Mean	Response rate (%)	
							Score 3 or higher	Score 4 or higher
Moist	10 (47.6%)	11 (52.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.48	100.0%	100.0%
Amount of Foam	8 (38.1%)	13 (61.9%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.38	100.0%	100.0%
Cleansing Efficacy	11 (52.4%)	10 (47.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.52	100.0%	100.0%
Fragrance	6 (28.6%)	15 (71.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.29	100.0%	100.0%
Overall feeling	6 (28.6%)	15 (71.4%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	4.29	100.0%	100.0%

※ Percentages are calculated with a margin of error ±1%.
※ Positive response rate (%) = Responses with the Score 4 or higher
※ 5: Strongly agree, 4: Agree, 3: Neutral, 2: Disagree, 1: Strongly disagree

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CONCLUSION AND SUMMARY

The SKINMED Clinical Trial Center conducted a clinical trial on the cleansing impurities from pores and wrinkles improvement of the “C'ENCIA 5-Product Collection” by Live PURE Korea Co., Ltd. and arrived at the following conclusions.

The subjects aged 30-60 (average age 51.10±4.323) participated in the test, and a total of 21 subjects (dropouts: 1) completed the test.

1. Cleansing efficacy of impurities in pores and wrinkles

There was a statistically significant decrease after product application compared to after fine dust simulant application (p<0.05), with an improvement rate of 99.69%.

2. Survey evaluation

Question	Mean	Positive response rate (%)
		Score 4 or higher
After product application, it feels like impurities in pores and wrinkles have been cleansed.	4.48	100.0%
Satisfaction with the test product	4.43	100.0%
※ 5: Strongly agree, 4: Agree, 3: Neutral, 2: Disagree, 1: Strongly disagree		

3. No adverse skin event was observed during the evaluation period.

As a result of the clinical trial, “C'ENCIA PURE FOAM CLEANSER” is deemed effective in cleansing impurities from pores and wrinkles after product application.

This test was conducted in accordance with the Guidelines for the Application and Testing of Cosmetics (Guideline-0333-02) by the Korea Food & Drug Administration, Test method Guidelines for the Demonstration of Cosmetic Labeling and Advertising (Guideline-0353-02), Guidelines for the Management of Cosmetic Labeling and Advertising (Guideline-0086-04) as designated by the Ministry of Food and the Standard Operating Procedures (SOP) of SKINMED Clinical Trials Center; the results and the content of the final report were completed in the procedure.

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REFERENCES

1. Ministry of Food and Drug Safety, Guidelines for Cosmetics Human Application Test and Efficacy Test (Guideline-0333-02)
2. Test method Guidelines for the Demonstration of Cosmetic Labeling and Advertising (Guideline-0353-02)
3. Guidelines for the Management of Cosmetic Labeling and Advertising (Guideline-0086-04)
4. M. Lodén, Efficacy testing of cosmetics and other topical products, IFSCC Magazine, 2000, 3, vol.3, 47-53
5. Colipa, Guidelines for the Evaluation of the Efficacy of Cosmetic Products, 2008.5.
6. Guidelines for Formulating Anti-pollution Products. Cosmetics 2017, 4, 57

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TEST INSTITUTION INVESTIGATION REPORT

1. Testing Institution

Name of testing institution: SKINMED Clinical Trials Center

Address: #304-2, 178, Noeun-ro, Yuseong-gu, Daejeon, Republic of Korea

2. Purpose of Establishment

This testing institution was established for the purpose of conducting clinical trial such as safety evaluation, quasi-drug evaluation (evaluation of acne and hair loss), evaluation of functional food for health, industrial product (beauty equipment, clothing, etc.) and efficacy testing in accordance with the clinical applications of skin and clinical trial and providing related clinical trial results and technical information.

3. Principal Investigator

Principal Investigator of SKINMED Clinical Trials Center — Doctor of Medicine Lee Jeung Hoon

4. Head of Center

Head of SKINMED Clinical Trials Center — Chang Min Youl

5. Dermatologist

Dermatologist of SKINMED Clinical Trials Center — Doctor of Medicine Lee Jeung Hoon

6. Reliability Assurance Officer

Reliability assurance officer of SKINMED Clinical Trials Center — Song Sang Hun

7. Product Management Manager/Product Allocation Manager

Product management person/Head of product assignment of SKINMED Clinical Trials Center — Yun Kyeong Ae

8. Researcher

Researcher of SKINMED Clinical Trials Center	Bae Hyun Soo
Researcher of SKINMED Clinical Trials Center	Kim Mi Lee
Researcher of SKINMED Clinical Trials Center	Cho Kyung Jin
Researcher of SKINMED Clinical Trials Center	Kim Ha Eun
Researcher of SKINMED Clinical Trials Center	Cho Eun I
Researcher of SKINMED Clinical Trials Center	Lee Hae Min
Researcher of SKINMED Clinical Trials Center	Jung Chae Kyung
Researcher of SKINMED Clinical Trials Center	Kim Yu Ri
Researcher of SKINMED Clinical Trials Center	Cheon Seon A
Researcher of SKINMED Clinical Trials Center	Kang Su Jin
Researcher of SKINMED Clinical Trials Center	Park So Hui

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9. Major Facilities and Equipment of Testing Institution

- FLIR T530 42Degree Thermal Imaging Camera
- Thermal Dome
- Thermo-Hydrostat (HTA3GG3)
- Room Temperature and Humidity Meter (TE-303)
- Professional Body Composition Analyzer (InBody770/Inbody Dial H30)
- Ballistometer (BLS780)
- Translucency Meter (TLS850)
- TMS
- Multi Probe-Adaptor (MPA6)
- Skin-pH meter probe (PH905)
- Cutometer dual MPA580 Complete
- Skin Colorimeter CL400 Probe
- Skin Glossymeter GL200 Probe
- Corneometer® CM 825 Probe
- Tewameter® TM 300 Probe
- Tewameter® TM Hex Probe
- Mexameter® MX 18 Probe
- Indentometer IDM800 Probe
- Sebumeter Cassette
- SKINCOLORCATCH
- MOISTUREMETERSC
- MOISTUREMETER-D
- SKINGLOSS METER
- VAPOMETER (SWL5)
- Moisture Map MM 100
- DERMO
- Spectrophotometer
- Visioscan VC20plus
- Visioline
- Solar Simulator
- Mark-Vu
- F-ray
- Antera 3D CS
- Primos lite
- Primos CR
- CAS Balance
- Microman M50
- Micropipette
- Timer/Stopwatch
- D-Squame
- Pressure Instrument
- Chemical Balance
- Folliscope 5.0
- Digital Camera
- Pomex E200 and other (Lighting)
- Canon EOS 750D + Lens (EFS18-55mm)
- Canon EOS 5D
- SkinScanner-DUB®
- Labs (UV evaluation room, Water-resisting evaluation room, Whitening evaluation room, Wrinkle evaluation room, Safety evaluation room, Efficacy evaluation room, Hair Evaluation room, Lifting evaluation room, Imaging room, Washroom, Dry Sauna)
- Analysis and Statistical program (I-max plus, Image PRO, SPSS Statistics 24)
- Vectra XT
- Hair device
- PeriCam PSI NR
- Derma Lab
- VISIA-CR5 (Canfield, USA)
- Bluelight Tester
- Solarmeter

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PROFILE OF PRINCIPAL INVESTIGATOR AND DERMATOLOGIST

[Principal Investigator and Dermatologist]

Name: Lee Jeung Hun

Affiliation: SKINMED Clinical Trials Center

Academic background

Bachelor of Medicine at Seoul National University (Feb 1978)

Master of Medicine at Graduate School of Seoul National University (Feb 1981)

Doctor of Medicine at Graduate School of Seoul National University (Feb 1988)

Career experiences

2019 - Present SKINMED CTO

1986 - 2019 Professor, Department of Dermatology, School of Medicine,
College of Medicine, Chungnam National University

1995 - 2019 Dermatologist, Chungnam National University

2010 - Present Director of Korean Society for Photomedicine

2007 - Present Chief cancer researcher of Daejeon Regional Cancer Center

2000 - Present Director/Head of Intelligence Committee/President/Head of Scientific Committee,
Korean Dermatological Association

1997 - 2016 Director/Member of Education Committee/Vice President/Chairman of Scientific
Committee, Korean Dermatological Association

2014 - 2015 Member of Drug and medical device committee, Korean Dermatological Association

1993 - Present Councilor of Korean Society for Molecular and Cellular Biology

2008 - Present Director of Korean Society for Skin Barrier Research

1994 - Present Society for Investigative Dermatology active member

2006 - 2008 Director, Institute of Medical Research, Chungnam National University

2006 - 2008 Director of Tissue Bank, Chungnam National University Hospital

2002 - 2006 Dean (Responsible for research), College of Medicine, Chungnam National University

1998 - 1999 Director of Planning and Coordination Division,
Chungnam National University Hospital

1993 - 1995 Visiting investigator, National Institutes of Health

1983 - 1986 Army doctor

1979 - 1983 Resident, Department of Dermatology, Seoul National Hospital

1978 - 1979 Intern, Seoul National University Hospital

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Awards

2001 Chungnam National University Best Professor Award

2007 Chungnam National University Hospital Best Paper Award

2007 The 9th UAM Academy Award

Major thesis

International journal: Expression of N-terminal truncated desmoglein 3 (deltaNDg3) in epidermis and its role in keratinocyte differentiation, and other 80 articles

Domestic journal: Telemedicine in the dermatology area, and other 150 articles

Book

Dermatology, 2008, Published by Ryo Moon Gak

eBook of Dermatology, 2006, Humintec

Academic activities in South Korea and abroad

2009 - Present Academic chairperson, Korean Society for Investigative Dermatology

2008 - Present Delegate, Korean Society for Molecular and Cellular Biology

1994 - Present Active member of society for Investigative Dermatology

1993 - Present Conferee, Korean Society for Molecular and Cellular Biology

2008 - 2010 Director, Korean Society for Investigative Dermatology

2007 - 2009 Chairperson of the council, Korean Society for Investigative Dermatology

2003 - 2007 Information chairperson, Korean Society for Investigative Dermatology

2000 - 2003 Director, Korean Society for Investigative Dermatology

1998 - 2002 Executive director, Korean Society for Investigative Dermatology

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PROFILE OF RELIABILITY ASSURANCE OFFICER

[Reliability Assurance Officer]

Name: Song Sang Hun

Affiliation: SKINMED Clinical Trial Center

Academic background

Bachelor of Politics, Administration and Journalism, Wonkwang University

Career experiences

2024 - Present Team Manager, Skin Clinical Trial Sales Department of Skinmed

2023 - Team Manager, Sales Department of Korea Dermatology Research Institute

2022 - Team Manager, Sales Department of Korea Institute of Dermatological Sciences

2020 - Team Manager, Sales Department of Hnbwell

2019 - Deputy General Manager, Sales Department of Dermalab

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PROFILE OF PRODUCT MANAGEMENT MANAGER /PRODUCT ALLOCATION MANAGER

[Product Management Manager/ Product Allocation Manager]

Name: Yun Kyeong Ae

Position: Chief

Affiliation: SKINMED Clinical Trials Center

Educational background

Bachelor of Department of Hospital business of Daejeon University

Career experiences

2023 - Staff of SKINMED Clinical Trials Center

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PROFILE OF HEAD OF CENTER AND FELLOW RESEARCHERS

[Head of Center]

Name: Chang Min Youl

Affiliation: SKINMED Clinical Trial Center

Academic background

Bachelor of Veterinary Medicine, Seoul National University (Feb 1989)

Master of Veterinary Medicine, Seoul National University (Feb 1991)

Doctor of Medicine, Chungnam National University (Mar 2019 - Present)

Career experiences

Apr 2020 - Present Director of SKINMED Clinical Trial Center

2017 - 2020 Professor, Department of Biocosmetics, Seowon University

2017 - 2020 Vice director of Global Skin Clinical Trial Center at Seowon University

2019 - Present Editor of The K Beauty Science

2019 - Present Editor of Journal of the Korean Cosmetic Society

2019 - Present Technical doctor of Gyeonggi Techno Park

2017 - Present Evaluation committee of SME R&D Support Project

1994 - 2015 LG Household & Health Care, Cosmetics Research Institute

2008 - 2015 Academic Cooperative Director of Korean Skin Barrier Association

[Researcher]

Name: Bae Hyun Soo

Position: Senior researcher

Affiliation: SKINMED Clinical Trials Center

Academic background

Bachelor's Degree, Department of Chemistry, Daegu Catholic University

Master’s degree, Department of Life Chemistry, Daegu Catholic University

Career experiences

2022 - Present Researcher of SKINMED Clinical Study Center

2016 - 2022 Senior researcher of Ellead Co., Ltd.

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Name: Kim Mi Lee

Position: Principal researcher

Affiliation: SKINMED Clinical Trials Center

Academic background

Bachelor of Science in Beauty Biotechnology, Semyung University

Career experiences

2021 - Present Researcher of SKINMED Clinical Trials Center

Name: Cho Kyung Jin

Position: Principal researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Bachelor of Science, Department of Cosmetic Science, Gwangju Women's University

Career experiences

2022 - Present Researcher of SKINMED Clinical Trials Center

Name: Kim Ha Eun

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Academic background

Bachelor of Science, Department of Beauty Design, Daejeon University

Career experiences

2023 - Present Researcher of SKINMED Clinical Trials Center

SKINMED

Name: Cho Eun I

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Bachelor of Science, Department of Cosmetic Science, Gwangju Women's University

Career experiences

2023 - Present Researcher of SKINMED Clinical Trials Center

Name: Lee Hae Min

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Bachelor of Science, Department of Cosmetic Science, Gwangju Women's University

Career experiences

2023 - Present Researcher of SKINMED Clinical Trials Center

Name: Jung Chae Kyung

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Bachelor of Science, Department of Cosmetic Science, Gwangju Women's University

Career experiences

2023 - Present Researcher of SKINMED Clinical Trials Center

SKINMED

Name: Kim Yu Ri

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Bachelor of Science, Department of Cosmetic Science, Gwangju Women's University

Career experiences

2024 - Present Researcher of SKINMED Clinical Trials Center

Name: Cheon Seon A

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Bachelor of Science, Department of Cosmetic Engineering, Mokwon University

Career experiences

2024 - Present Researcher of SKINMED Clinical Trials Center

Name: Kang Su Jin

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Scheduled to graduate from Department of Cosmetic Science, Gwangju Women's University (Feb 2025)

Career experiences

2024 - Present Researcher of SKINMED Clinical Trials Center

SKINMED

Name: Park So Hui

Position: Researcher

Affiliation: SKINMED Clinical Trials Center

Aducational background

Scheduled to graduate from Daegu Hansa University, Department of Aroma Pharmacology (Feb 2025)

Career experiences

2024 - Present Researcher of SKINMED Clinical Trials Center

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[Appendix 1] Subject Information

No.	Subject code	Initial	Sex	Age	Completion of test
1	LP02-24S19-01	KKT	F	49	Completed
2	LP02-24S19-02	KMH	F	54	Completed
3	LP02-24S19-03	KSY	F	51	Completed
4	LP02-24S19-04	KSM	F	51	Completed
5	LP02-24S19-05	CHS	F	55	Completed
6	LP02-24S19-06	KEJ_1	F	50	Completed
7	LP02-24S19-07	YYS	F	47	Completed
8	LP02-24S19-08	MSJ	F	49	Completed
9	LP02-24S19-09	PEJ	F	50	Completed
10	LP02-24S19-10	SYO	F	53	Dropped out
11	LP02-24S19-11	SHO	F	48	Completed
12	LP02-24S19-12	LNR	F	52	Completed
13	LP02-24S19-13	LJY	F	52	Completed
14	LP02-24S19-14	PGH	F	48	Completed
15	LP02-24S19-15	YSJ	F	50	Completed
16	LP02-24S19-16	PNR	F	38	Completed
17	LP02-24S19-17	LYS	F	55	Completed
18	LP02-24S19-18	YEH	F	51	Completed
19	LP02-24S19-19	KHO	F	55	Completed
20	LP02-24S19-20	KEJ_2	F	57	Completed
21	LP02-24S19-21	BBS	F	59	Completed
22	LP02-24S19-22	JSH	F	52	Completed

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[Appendix 2] Individual Data Analysis Results

- The measurement results of cleansing efficacy for impurities in pores and wrinkles (Unit: Pixel)

No.	Subject code	Before product application	After fine dust simulant application	After product application
1	LP02-24S19-01	35.000	30582.000	44.000
2	LP02-24S19-02	349.000	25966.000	386.000
3	LP02-24S19-03	122.000	55303.000	150.000
4	LP02-24S19-04	251.000	37507.000	362.000
5	LP02-24S19-05	225.000	36921.000	316.000
6	LP02-24S19-06	509.000	58691.000	698.000
7	LP02-24S19-07	115.000	57435.000	466.000
8	LP02-24S19-08	883.000	67266.000	851.000
9	LP02-24S19-09	76.000	81719.000	349.000
10	LP02-24S19-11	57.000	64613.000	58.000
11	LP02-24S19-12	113.000	73956.000	176.000
12	LP02-24S19-13	549.000	59545.000	1278.000
13	LP02-24S19-14	163.000	39672.000	348.000
14	LP02-24S19-15	220.000	21787.000	302.000
15	LP02-24S19-16	97.000	51641.000	708.000
16	LP02-24S19-17	187.000	82304.000	232.000
17	LP02-24S19-18	466.000	34988.000	482.000
18	LP02-24S19-19	96.000	43213.000	182.000
19	LP02-24S19-20	107.000	70223.000	142.000
20	LP02-24S19-21	154.000	68006.000	173.000
21	LP02-24S19-22	261.000	61297.000	677.000
	Mean	**239.762**	**53458.810**	**399.048**
	SD	**208.3902**	**17963.0054**	**301.6260**

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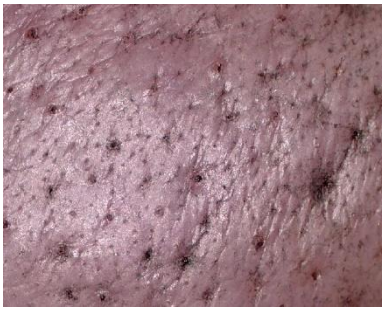
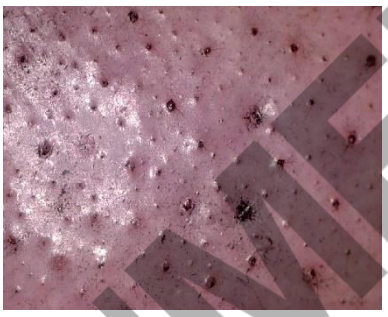
[Appendix 3] Image Data

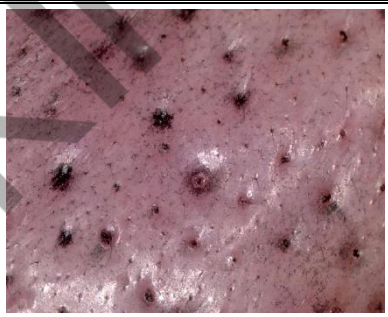
01. LP02-24S19-01

Before product application	After fine dust simulant application	After product application
		

02. LP02-24S19-02

Before product application	After fine dust simulant application	After product application
		

03. LP02-24S19-03

Before product application	After fine dust simulant application	After product application
		

04. LP02-24S19-04

Before product application	After fine dust simulant application	After product application

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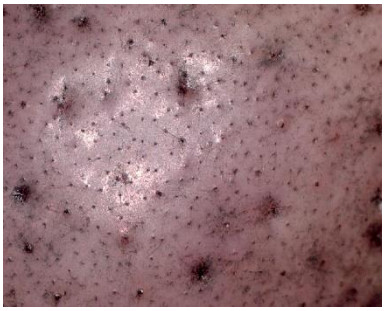
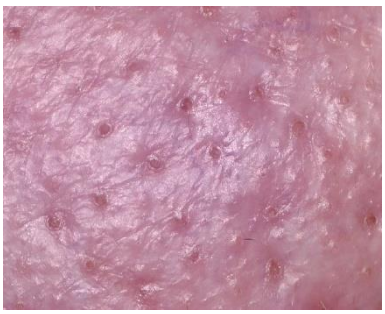
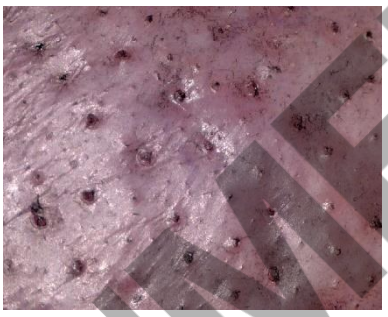
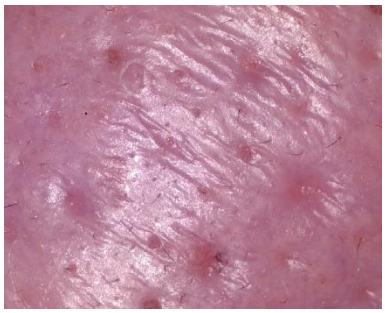
05. LP02-24S19-05

Before product application	After fine dust simulant application	After product application
		

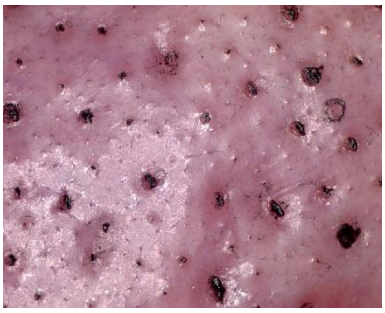
06. LP02-24S19-06

Before product application	After fine dust simulant application	After product application
		

07. LP02-24S19-07

Before product application	After fine dust simulant application	After product application
		

08. LP02-24S19-08

Before product application	After fine dust simulant application	After product application
		

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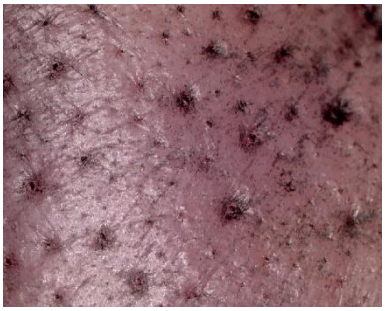
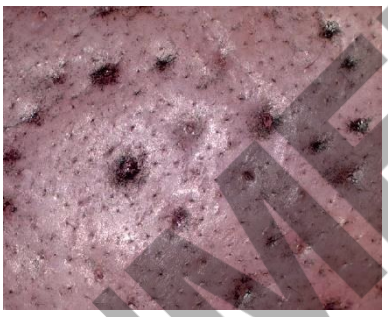
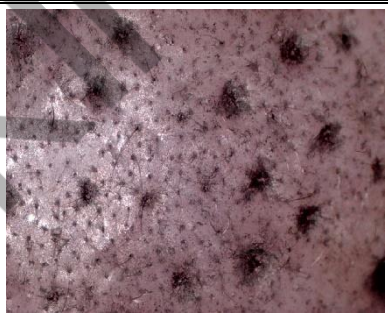
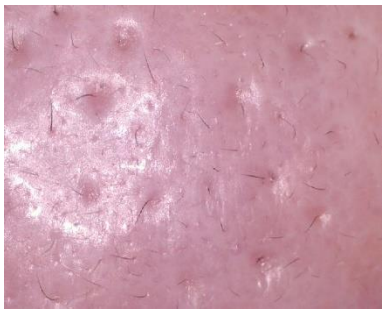
09. LP02-24S19-09

Before product application	After fine dust simulant application	After product application
		

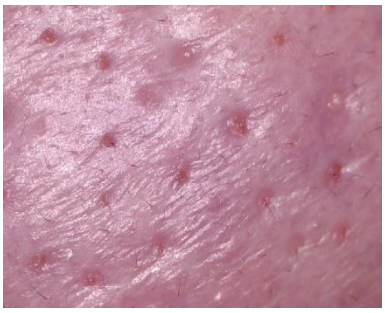
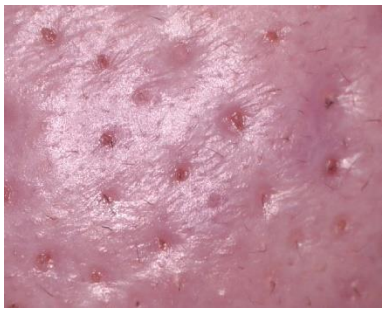
10. LP02-24S19-11

Before product application	After fine dust simulant application	After product application
		

11. LP02-24S19-12

Before product application	After fine dust simulant application	After product application
		

12. LP02-24S19-13

Before product application	After fine dust simulant application	After product application
		

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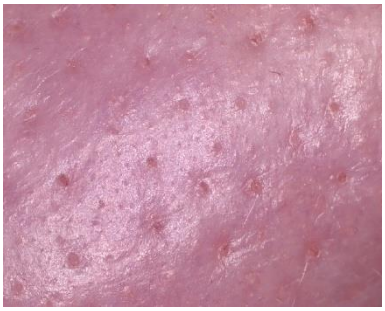
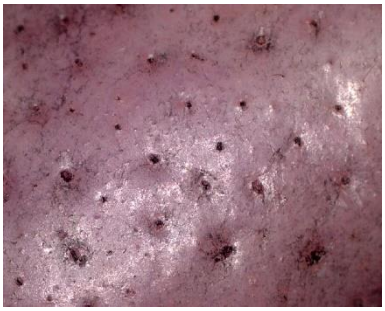
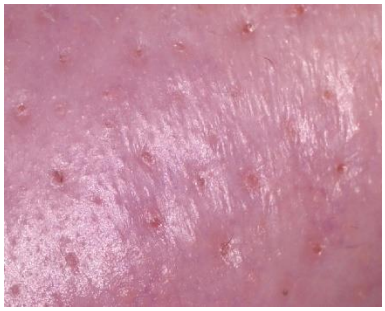
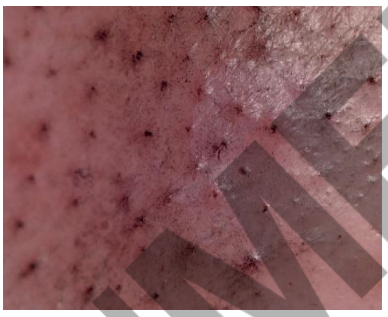
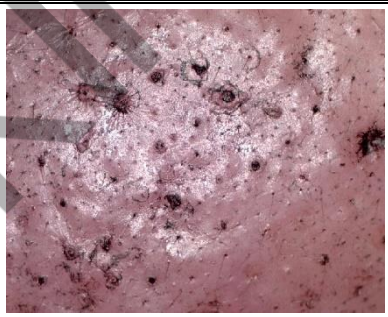
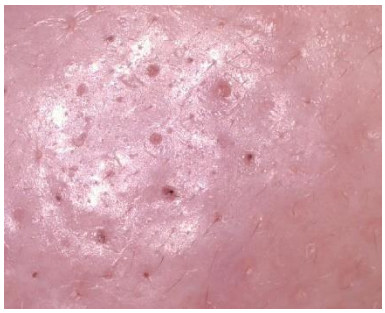
13. LP02-24S19-14

Before product application	After fine dust simulant application	After product application
		

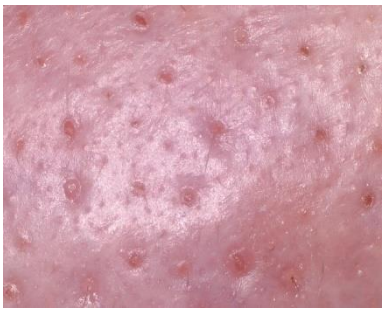
14. LP02-24S19-15

Before product application	After fine dust simulant application	After product application
		

15. LP02-24S19-16

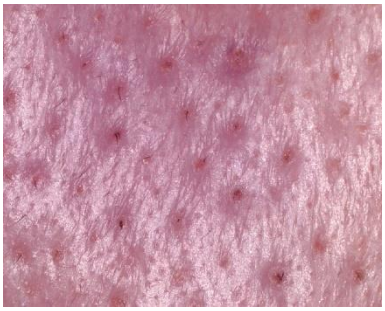
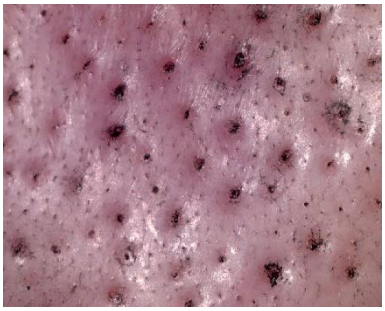
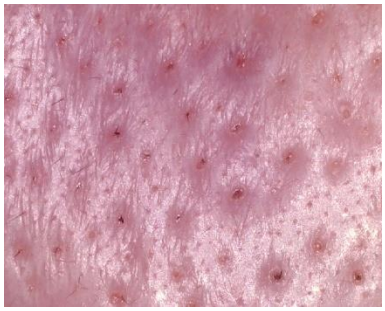
Before product application	After fine dust simulant application	After product application
		

16. LP02-24S19-17

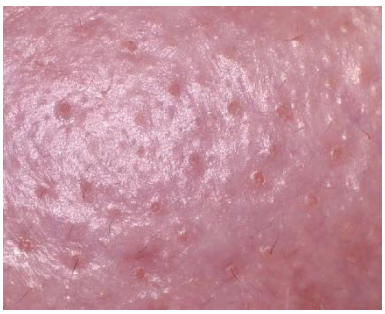
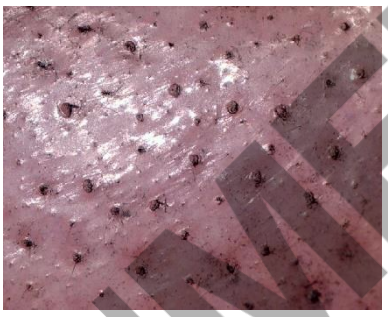
Before product application	After fine dust simulant application	After product application
		

SKIN MED

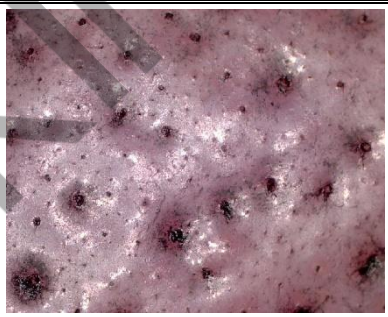
17. LP02-24S19-18

Before product application	After fine dust simulant application	After product application
		

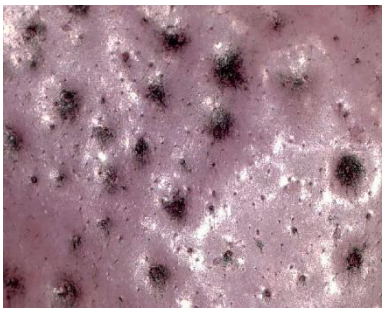
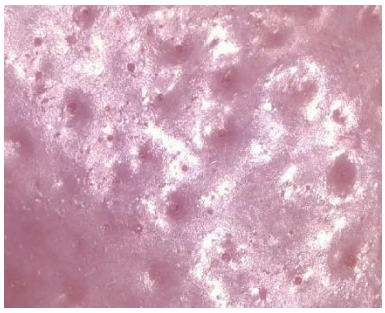
18. LP02-24S19-19

Before product application	After fine dust simulant application	After product application
		

19. LP02-24S19-20

Before product application	After fine dust simulant application	After product application
		

20. LP02-24S19-21

Before product application	After fine dust simulant application	After product application
		

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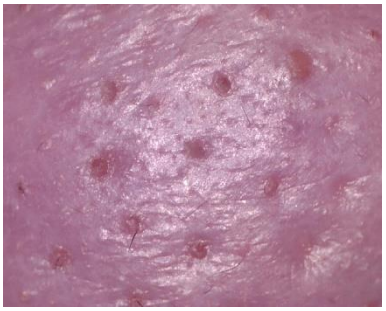
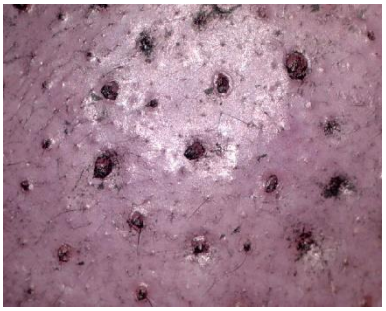
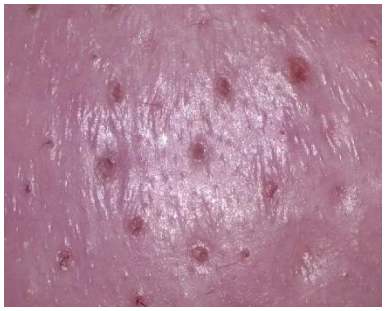
21. LP02-24S19-22

Before product application	After fine dust simulant application	After product application
		

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[Appendix 4] All Ingredients

No.	INCI Name
1	Water(Aqua)
2	Sodium Cocoyl Isethionate
3	Glycerin
4	Glyceryl Stearate
5	Sodium Methyl Cocoyl Taurate
6	Lauric Acid
7	Stearyl Alcohol
8	Glycol Distearate
9	Sodium Cocoyl Glutamate
10	Glycol Stearate
11	Hydroxypropyl Starch Phosphate
12	Lauryl Betaine
13	Coco-Glucoside
14	Citric Acid
15	Caprylyl Glycol
16	Chlorella Vulgaris Extract
17	Glucose
18	Butylene Glycol
19	Fructooligosaccharides
20	Fructose
21	Cedrus Atlantica Bark Oil
22	Sodium Phytate
23	1,2-Hexanediol
24	Glycine Soja (Soybean) Seed Extract
25	Rosmarinus Officinalis (Rosemary) Leaf Oil
26	Quillaja Saponaria Bark Extract
27	Pentylene Glycol
28	Salvia Sclarea (Clary) Oil
29	Octanediol
30	Ethylhexylglycerin
31	Maltodextrin

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No.	INCI Name
32	Hydrolyzed Vegetable Protein
33	Lepidium Meyenii Root Extract
34	Sodium Hyaluronate
35	Sorbitan Laurate
36	Portulaca Oleracea Extract
37	Lycium Chinense Fruit Extract
38	Beta-Glucan
39	Hydroxyethylcellulose
40	Acetyl Dipeptide-1 CetylEster
41	Dipeptide Diaminobutyroyl BenzylamideDiacetate
42	Mentha Viridis (Spearmint) Extract
43	Origanum Vulgare Leaf Extract
44	Dipropylene Glycol
45	Melissa Officinalis Extract
46	Acetyl Tetrapeptide-5
47	Camellia Sinensis Leaf Extract
48	Honey Extract
49	Rosmarinus Officinalis (Rosemary) Leaf Extract
50	Acetyl Hexapeptide-8
51	Acetyl Tyrosine
52	Paeonia Suffruticosa Root Extract
53	Pueraria Lobata Root Extract

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