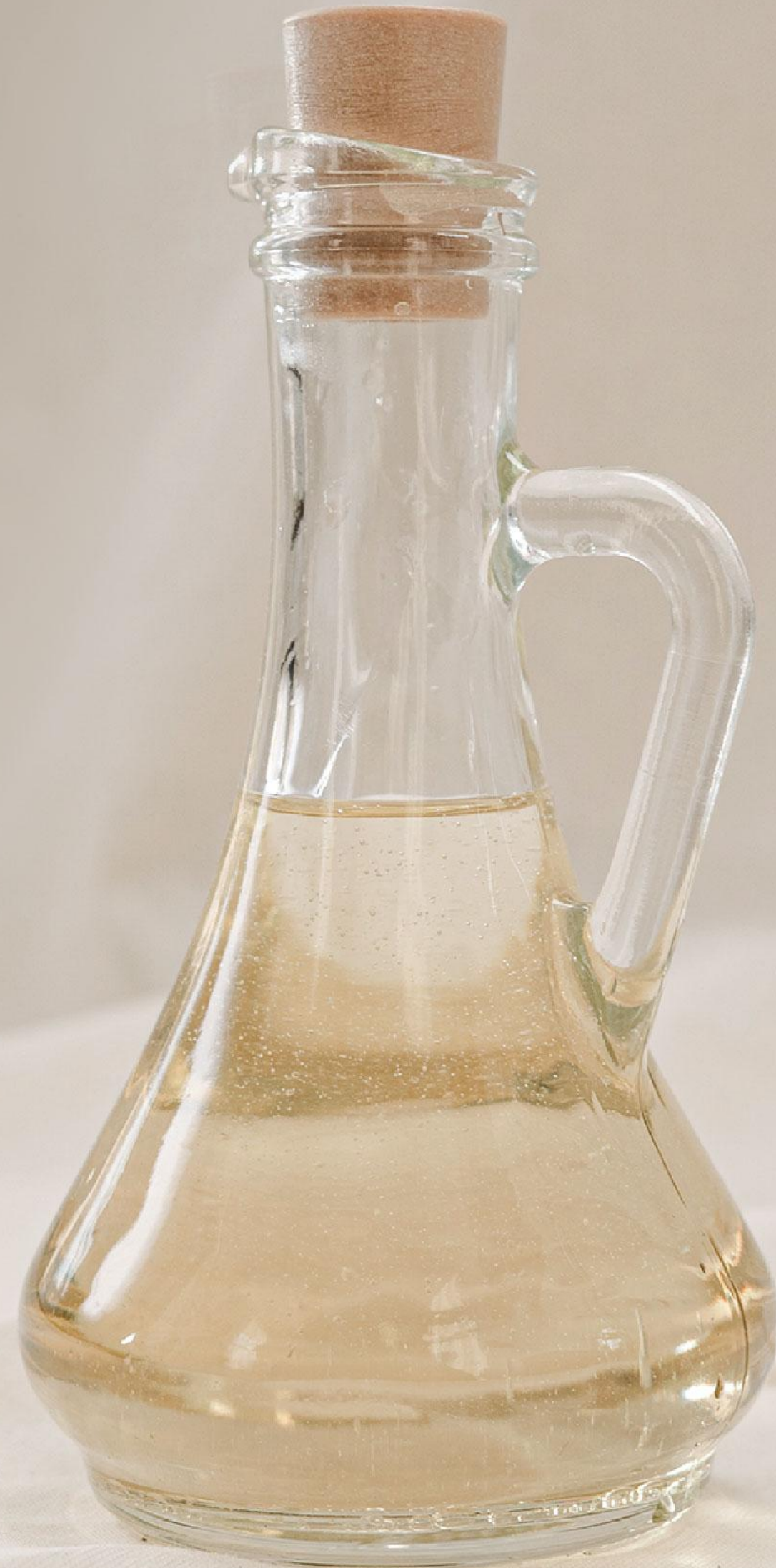




INNOVATIVE ELEMENTS TO AMELIORATE LIFE



ZLEY®PF101-OATFERM

Combining Prebiotics and Postbiotics, the Dual-biotic
Microbiome Regulation System

Synergistically Balances the Microecology of Sensitive Skin,
Strengthening our invisbile Protective Barrier

The Repair Power is Increased by 3.88 Times in 4 Hours



WHO WE ARE

COMMITTED TO AMELIORATE LIVE, WITH TECHNOLOGY

Driven by a vision of innovation and development, we are dedicated to producing high-quality raw materials for the global personal care industry, addressing the growing demand for functional ingredients. Our products are designed to promote skin rejuvenation, brightening, antioxidant, and anti-inflammatory benefits.

「 1 2 3 」

1 factory located in Weinan, Shaanxi Province
2 Innovation research and development centers
3 subsidiaries: [China] Guangzhou [Hongkong]
and [Singapore] Over 200 employees

WHAT WE DO

COMMITTED TO AMELIORATE LIVE, WITH TECHNOLOGY

「Herbalism」

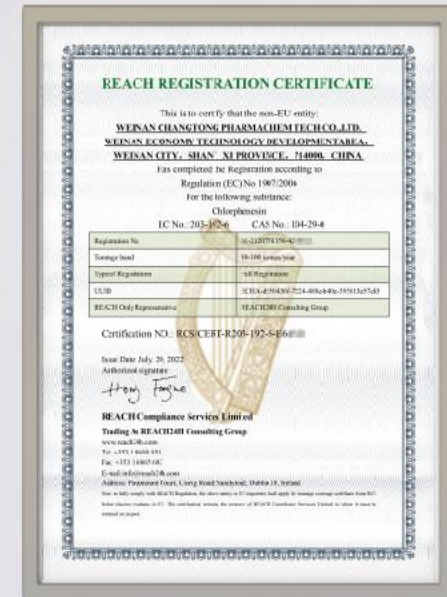
The cosmetic industry is actively exploring new neurocosmetic ingredients to enhance the connection between the skin and the nervous system. We harness plant extracts with soothing and anti-inflammatory properties to alleviate skin irritations, reduce redness, and support a healthier complexion.

「Metropolitan」

We are committed to continuously exploring innovative formulations for effective skin rejuvenation. Our team leverages advanced technologies and novel ingredients to push the boundaries and unlock new possibilities in this field.

「Revolution」

We utilize innovative technologies and ingredients to deliver exceptional results in skin brightening. Our ongoing research focuses on addressing pigmentation issues and promoting a radiant complexion.



PATENT CERTIFICATE

ZL 2022 1 1022382.9

Anti-inflammatory and Repairing Composition Containing Ethylene Glycol Salicylate and Its Preparation Method and Application

ZL 2022 1 1306298.X

Supramolecular Vesicle Aggregates of 4-Butylresorcinol and Their Preparation Method and Cosmetic Composition

ZL 2022 1 1147913.7

Microencapsulated Kava Extract and Its Preparation Method and Application

ZL 2016 1 0490027.2

Anti-Aging Cosmetic Composition and Its Preparation Method

ZL 2022 1 1648008.X

Composition Containing Amino Acid Derivatives for Regulating Skin Microbiota

ZL 2022 1 1038113.1

Anti-Acne, Whitening, and Antioxidant Essential Oil Composition Containing Ferulic Acid Derivatives and Its Preparation Method

ZL 2022 1 1187356.1

Composition for Skin Conditioning, Whitening, and Brightening, and Essence Lotion

ZL 2015 1 0077009.7

Preparation Method of High-Purity Piperazine

ZL 2023 1 0925891.0

Composition and Its Use in Improving Skin Barrier Function, and Skincare Product

ZL 2022 1 1251631.1

Liposomes Containing Ferulic Acid and Its Derivatives, Preparation Method, and Application

ZL 2015 1 0170034.X

Method for Synthesizing 2,4-Dihydroxyacetophenone and Recycling Wastewater

ZL 2014 1 0245210.7

Preparation Method of Half-Fumarate Quetiapine

ZL 2023 1 1500453.6

Deodorizing Composition, Its Preparation Method, and Application

ZL 2023 1 1366456.5

Peony Root Bark Extract-Based Perfume with Lemon Fragrance, Preparation Process, and Application

ZL 2024 1 0785149.9

Preparation Method of Highly Active Trigonella Extract and Its Uses in Care Products

ZL 2024 1 0726523.8

Preparation Method of Hydroxypinacolone Retinoate

ZL 2024 2 1028204.1 (Utility model patent)

Ultrasonic Cleaner for Cosmetic Testing

ZL 2024 1 0576240.X

Composition for Reducing Periorbital Skin Issues, Its Preparation Process, and Application

MORE PATENT APPLICATIONS ARE PENDING...



I&D STRENGTH

「BIRI」 (Biotechnology Innovation Research Institute)

Our team of experienced biologists leads the R&D efforts to identify active skincare ingredients with proven efficacy, high potency, and stability through experimental protocols, strain culture, and fermentation optimization.

Our facility adheres to the national laboratory safety standards GB 19489-2011, including P2 and biochemical laboratory requirements.

「FOSCRC」 (Functionality of Skin Care Research Center)

As society progresses and technology advances, there is a growing demand for effective skin care and a deeper understanding of cosmetics. At our Functional Skincare Research and Development Center, we focus on exploring skincare products through chemical testing and cell assays to study their functions and properties.

「FOSCTEC」 (Functionality of Skin Care Testing&Evaluation Center)

We partner with a professional third-party testing institute specializing in cosmetics, cosmetic raw materials, and pharmaceutical intermediates to ensure rigorous and reliable product testing.



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Part . 01

「MARKRT ANALYSIS」

MARKRT ANALYSIS

INNOVATIVE ELEMENTS TO AMELIORATE LIFE

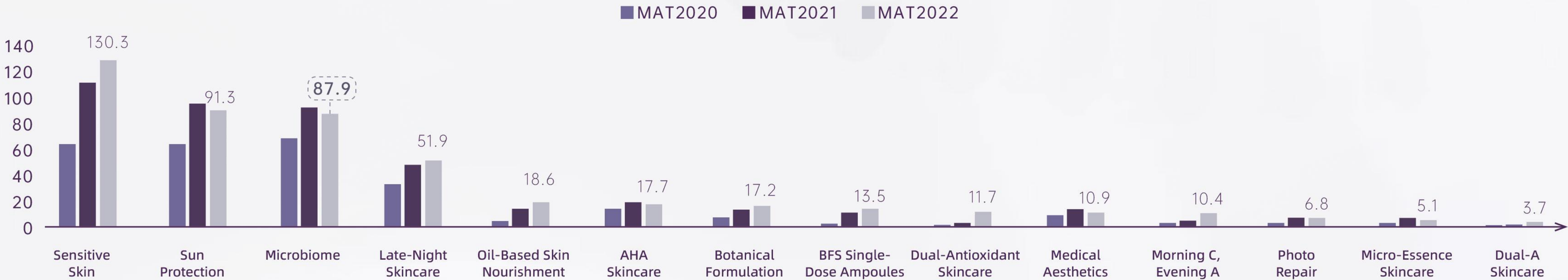
「THE RISING TREND OF “MICROBIOME SKINCARE”」



Microbiome skincare is based on research into the skin microbiome. From the perspective of the relationship between microbial ecology and skin health, active ingredients in skincare products are used to improve the composition of the skin microbiota, promote the growth of beneficial bacteria, inhibit and reduce harmful bacteria, and help maintain microbiome balance, thereby achieving healthier skin conditions.

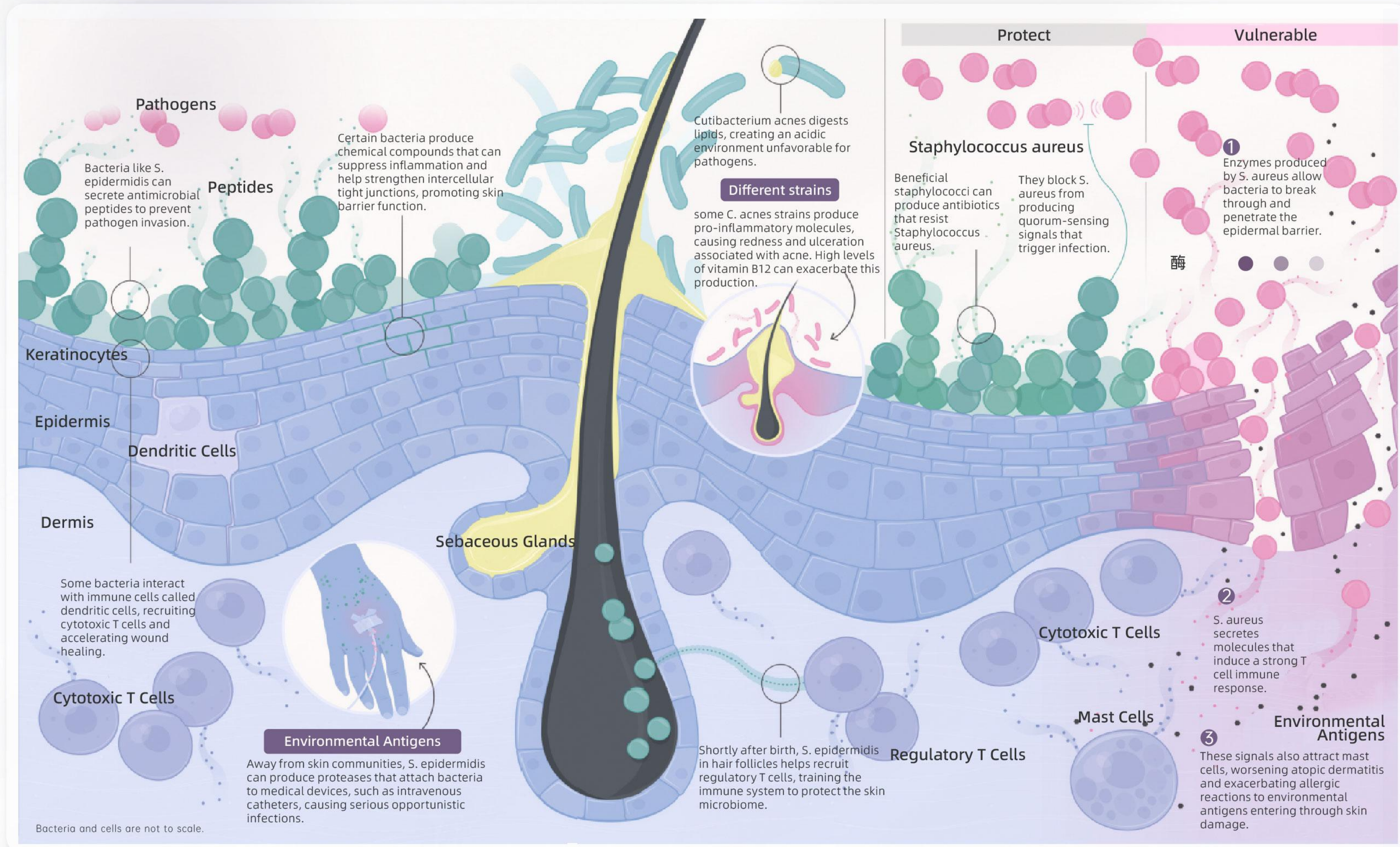
The online microbiome skincare market has reached nearly RMB 8.8 billion. This concept is gradually gaining penetration in marketing claims, with sales far exceeding other popular concepts such as “oil-based skin nourishment” and “morning Vitamin C, evening Vitamin A skincare routines.”

Sales of Popular Skincare Concepts in the Past Three Years (RMB 100 Million)



*Ref: 《2022微生态护肤市场趋势洞察》，美业颜究院.

「THE CRITICAL ROLE OF THE SKIN MICROBIOME IN SKIN HEALTH」



The skin is mainly a dry and nutrient-poor environment, but some microbes, such as *Staphylococcus epidermidis* and *Cutibacterium acnes*, can survive. These skin residents interact with host cells, helping to defend against infections and injuries.

FACTORS AFFECTING THE COMPOSITION OF THE SKIN MICROBIOME



1) Relationship Between the Skin Microbiome and the Skin

Defense against pathogenic microbes
Protection against ultraviolet (UV) radiation
Maintenance of physicochemical properties (pH, lipid content, etc.)
Interaction with the immune system

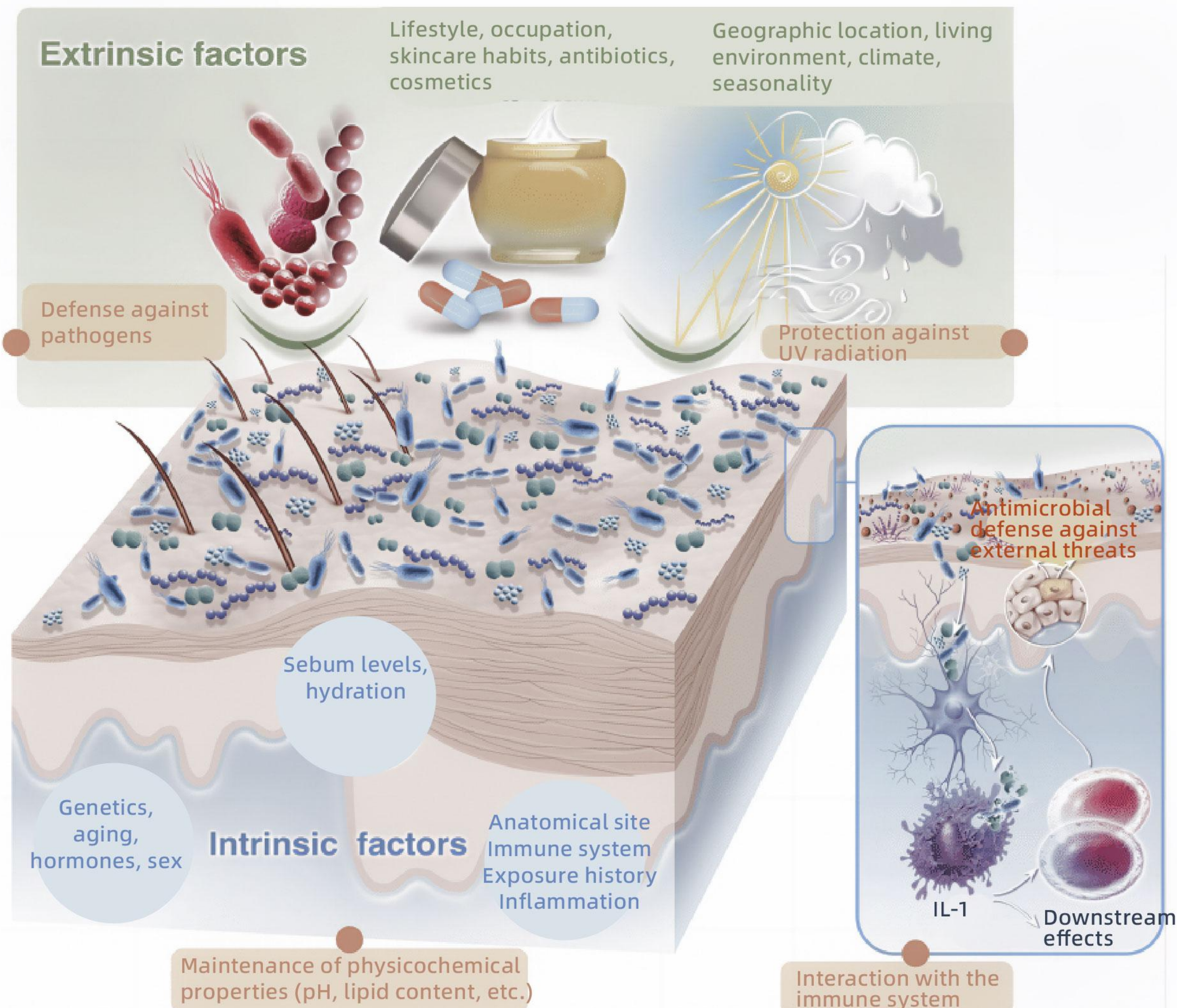
2) Factors Affecting the Skin Microbiome

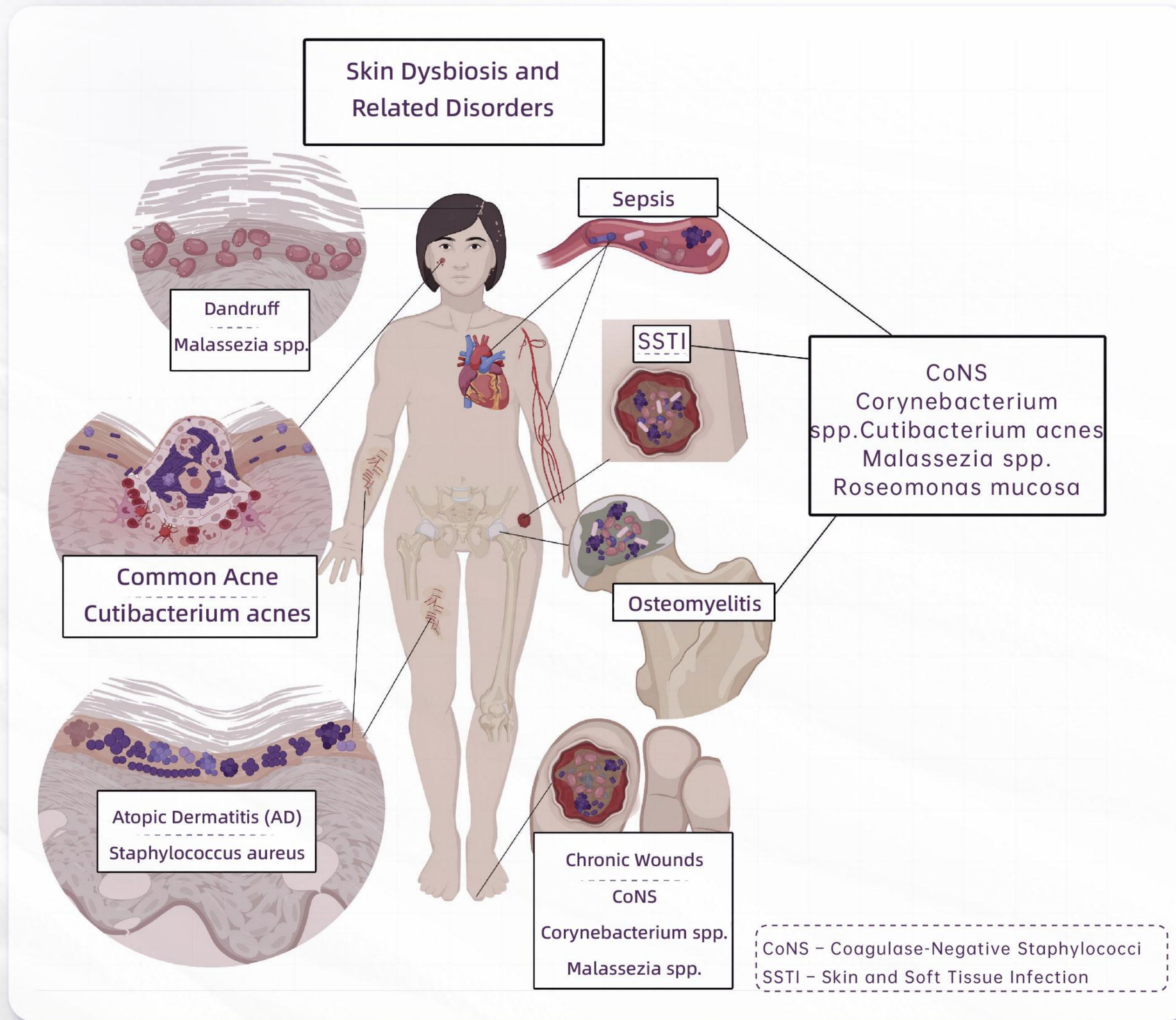
① External Factors:

Lifestyle, occupation, skincare habits, antibiotics, cosmetics
Geographic location, living environment, climate, seasonality

② Internal Factors:

Genetics, aging, hormones, sex
Sebum levels, hydration
Anatomical site, immune system, exposure history, inflammation





SKIN PROBLEMS ASSOCIATED WITH MICROBIOME IMBALANCE

1) Atopic Dermatitis (AD)

- Overgrowth of Staphylococcus aureus and secretion of bacterial toxins
- Toxins are recognized by the inflammasome, a multiprotein complex that activates caspase-1
- Caspase-1 is a protease that activates inflammatory cytokines and triggers apoptosis in affected cells
- These processes lead to severe inflammatory responses and disruption of the skin barrier
- Chronic progression of these processes results in atopic dermatitis
- Clinical outcomes: scaly skin, thickening, dryness, and pruritus

2) Acne

- Cutibacterium acnes, Malassezia spp., Staphylococcus spp. are closely associated with acne development

「THREE CATEGORIES OF MICROBIOME SKINCARE INGREDIENTS: PROBIOTICS / PREBIOTICS / POSTBIOTICS」

Aims to improve the composition of the skin microbiota and regulate skin microbial balance through skincare products containing probiotics, prebiotics, and postbiotics.

Type	Representative Ingredients	Representative Products
01 Probiotic Live microorganisms; probiotics feed on prebiotics and produce postbiotics	• Bifidobacterium • Lactobacillus • Streptococcus Thermophilus	
02 Prebiotic Nutrients absorbed by symbiotic bacteria; simply put, "food for beneficial bacteria"	• Carbohydrate isomers • Oligofructose • Bio-polysaccharides • Inulin	
03 Postbiotic By-products produced when probiotics feed on prebiotics	• Bifida Ferment Lysate • Bifida Ferment Filtrate • Yeast-derived peptides • Vitamin B12	

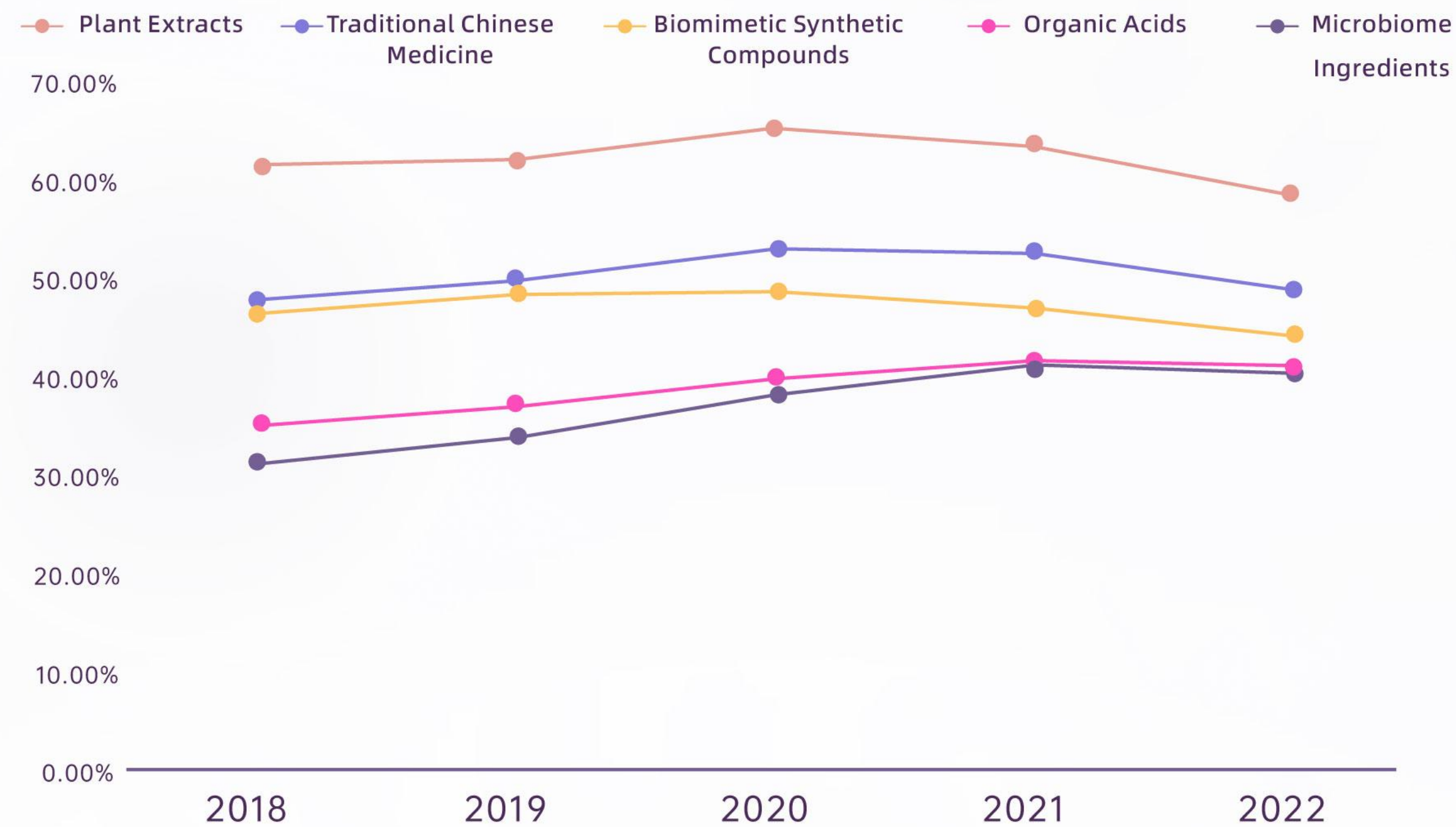
*Ref1: 甄雅贤, 张晨慧, 刘 玮等, 化妆品与皮肤健康——皮肤微生态[J],临床皮肤科杂志, 2019,48 (10) : 650-653.

*Ref2: 《2022微生态护肤市场趋势洞察》, 美业颜究院.

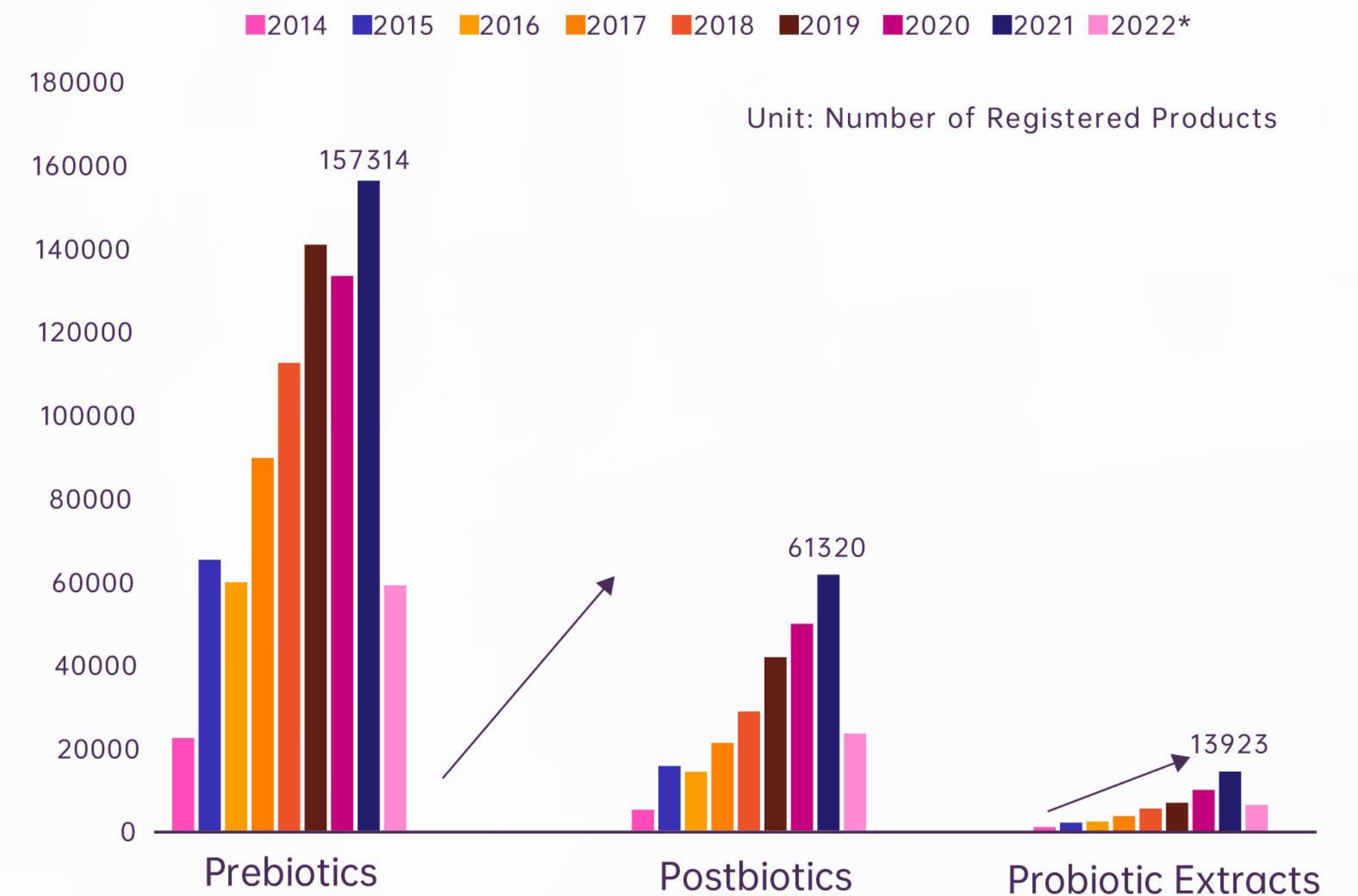
「RAPID GROWTH IN THE APPLICATION OF MICROBIOME INGREDIENTS」

The proportion of microbiome ingredients in skincare products has increased year by year.
Prebiotics are widely applied, while postbiotics and probiotic extracts are gradually being used.
Over the past eight years, the use of these three types of microbiome ingredients has maintained steady growth.

Top 5 Popular Cosmetic Ingredient Types in the Past 5 Years



Usage of Three Types of Microbiome Skincare Ingredients in the Past 8 Years



*Ref: 《2022微生态护肤市场趋势洞察》, 美业颜究院.

「EMERGING CHINESE BRANDS ENTERING THE SKIN MICROBIOME MARKET」



Year Established	Brand	Brand Features	Representative Products
2018	Dr.Alva	A skincare brand under Forida focusing on skin microbiome research	Dr.Alva Enzyme Extract Research Series
2018	YiAnTai	Microbiome-regulating skincare brand	YiAnTai Prebiotic Repair Series
2019	Simply This	Focuses on skin ecology and sustainable skincare	Simply This Revitalizing Repair Cream
2019	XDG	Focused on probiotic skincare with postbiotics as core ingredients	XDG Lactic Acid Bacteria Repair Essence Lotion
2020	NOUSKR	Focused on leveraging skin microbiome to address early anti-aging needs	NOUSKR Rejuvenating Balance Series
2020	ARMIYO	Core ingredient: Artemisia oil AN+; positioned in the skin microbiome market	ARMIYO Artemisia Repair Essence
2020	TEOREMA	Probiotic personal care brand for sensitive skin	TEOREMA Soothing Barrier Repair Series
2020	VIMLAB	Focused on probiotics + superfoods	VIMLAB Probiotic All-Day Moisturizing Cream

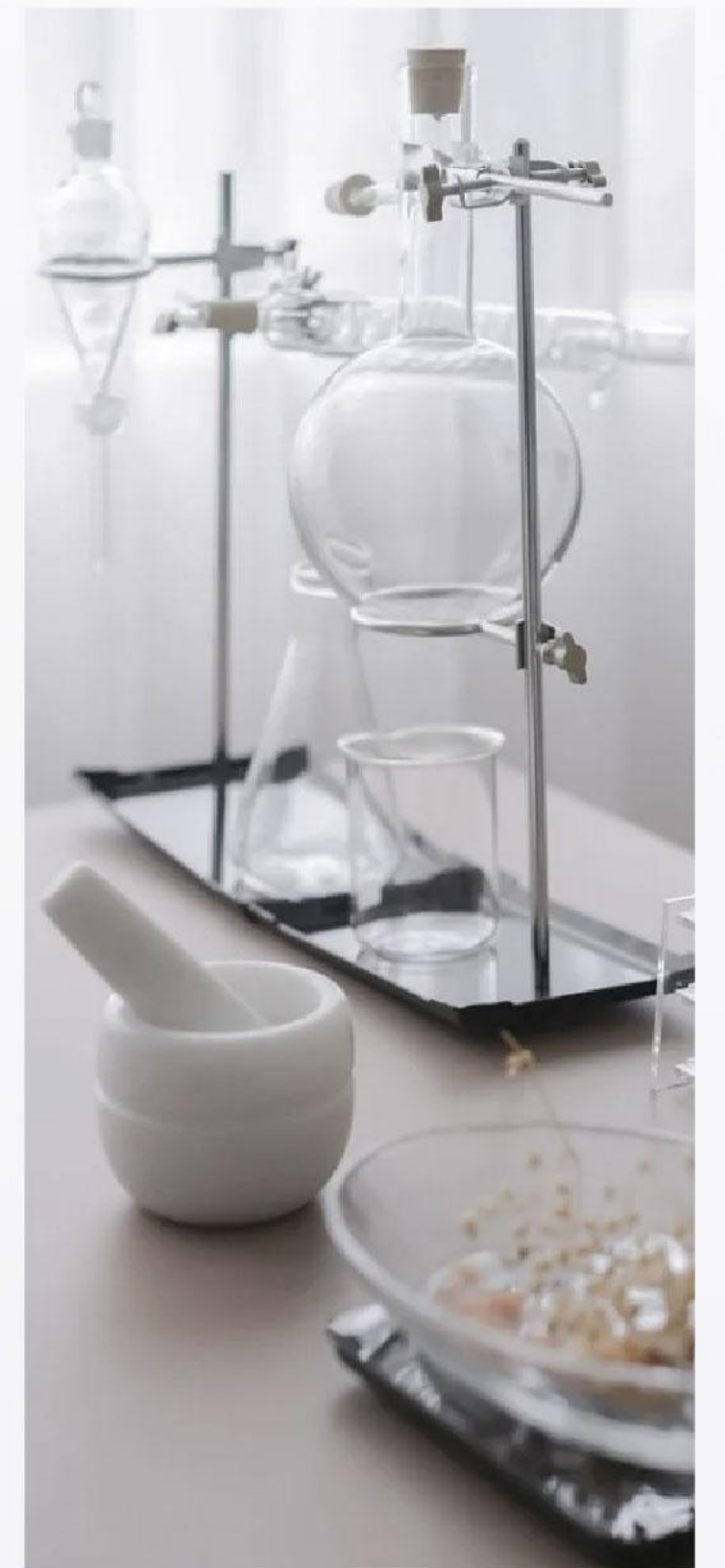
*Ref: 聚美丽-2022

PRODUCT DEVELOPMENT CONCEPT ● ● ●

-- SUSTAINABLE BEAUTY MAKEUP

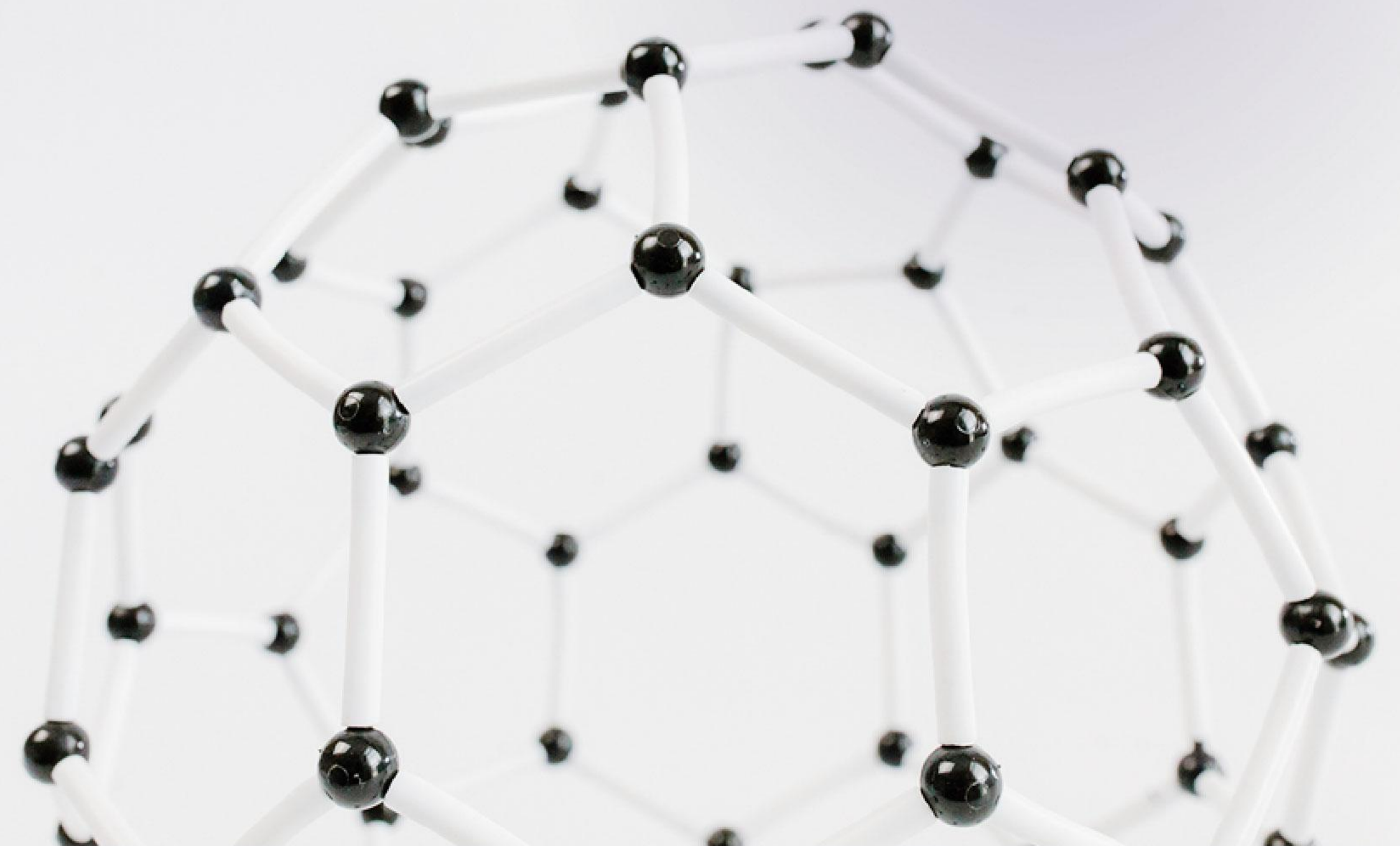
- Wasting of resources: As a functional raw material, oat has a wide range of needs in food, feed, medicine, cosmetics and industrial raw materials. Oat bran is the main by-product of oat processing. It is generally treated cheaply as feed for livestock, or directly discarded as waste, and is not effectively used, giving full play to its value, resulting in a huge waste of resources.
- Rich in activity: The active ingredients in oat bran have high research value, such as the unique component of oat bran oat skin tightening protein, with good skin tightening, moisturizing and anti-aging skin care effect; in addition, oat bran also contains antioxidant activity of polyphenols, anti-inflammatory and anti-aging oat peptide.
- Natural is in demand: With the improvement of material living standards, people tend to choose natural cosmetics over chemically synthesized moisturizers. Cosmetics containing natural active ingredients have the advantages of low irritation, good penetration, and significant effects, which are increasingly favored by more and more people.

Therefore, it is urgent to develop a oat fermentation extract for application in cosmetics, which not only increases the added value of oat, but also meets the needs of micro-ecological market and consumers to realize the sustainable utilization of natural resources, and realize the sustainable beauty makeup ZLEY®PF101-OATFERM emerged at the historic moment!



Part . 02

「PRODUCT INTRODUCTION」



PRODUCT INTRODUCTION

INNOVATIVE ELEMENTS TO AMELIORATE LIFE

「ZLEY®PF101-OATFERM」



ZLEY®PF101-OATFERM, is a oat fermentation extract obtained through Multi-T directional extraction and natural mimetic fermentation process, using oat bran and yellow wine yeast as raw materials. It is rich in 14 essential amino acids and 5 biologically active ingredients (yeast polysaccharides, β -glucans, total polyphenols, oat proteins, oat peptides). Integrated with a dual-biotic microbiome regulation system of prebiotics and postbiotics, it synergistically balances the microecology of sensitive skin and strengthens the invisible protective layer. With a 3.88 times significant enhancement in repair power within 4 hours, it exhibits excellent soothing, redness reduction, stability enhancement, anti-aging, and firming effects. It effectively combats free radicals caused by external aggressions, repairs damaged skin barriers, and imparts translucent radiance to the skin.

「HUMAN BODY EFFICACY TEST DATA OF THIRD-PARTY ORGANIZATIONS」：

28 days for soothing and repairing skin:

The ticular water content significantly increased 76.40%, TEWL decreased by 13.27% and 96.67% of subjects people think that this product has a soothing effect.

Significant improvement in skin elasticity, tightening skin within 28 days:

Skin elasticity R2 values significantly increased 5.22% with F4 values reduction decreased by 11.25%.

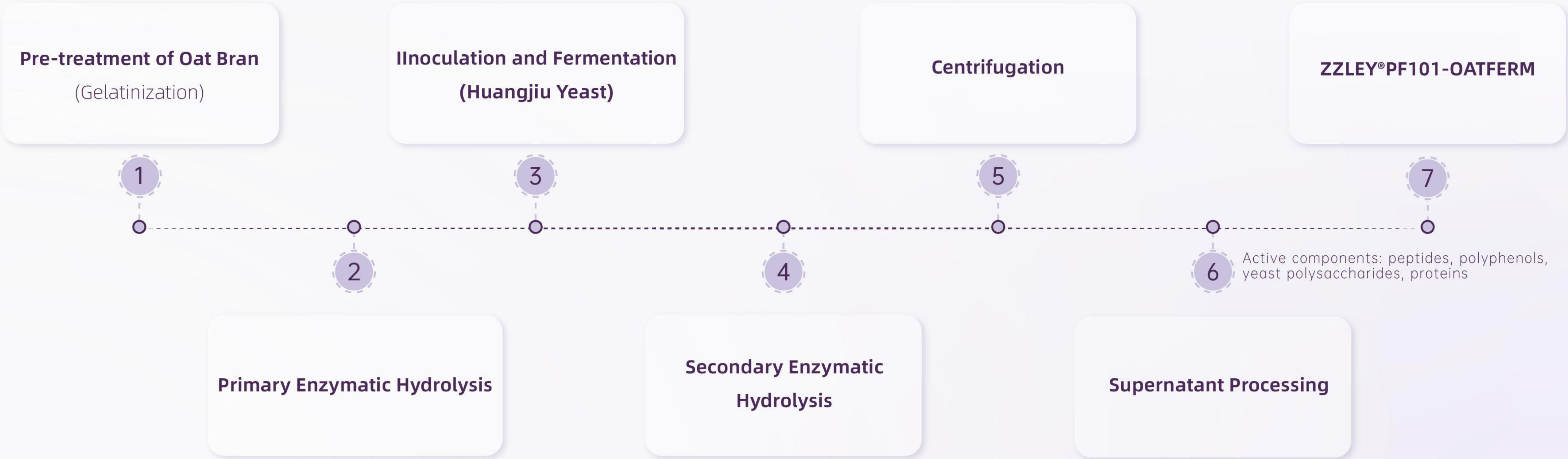


*Multi-T directional extraction process: according to the characteristics of the species and the active components, the extraction of the target, improve the yield and functional activity of the target active substance
*Dynamic balance of biological flora, realize symbiotic fermentation, and obtain more bioutilized active components.

「MANUFACTURING PROCESS」



Fermenting oat bran with Huangjiu yeast using a specific process can significantly increase the extraction of peptides, polyphenols, polysaccharides, and proteins. Large macromolecular nutrients are broken down into small-molecule metabolites, which are more easily absorbed by the skin. The resulting extract is rich in multiple nutrients and mild, naturally derived, and non-irritating.

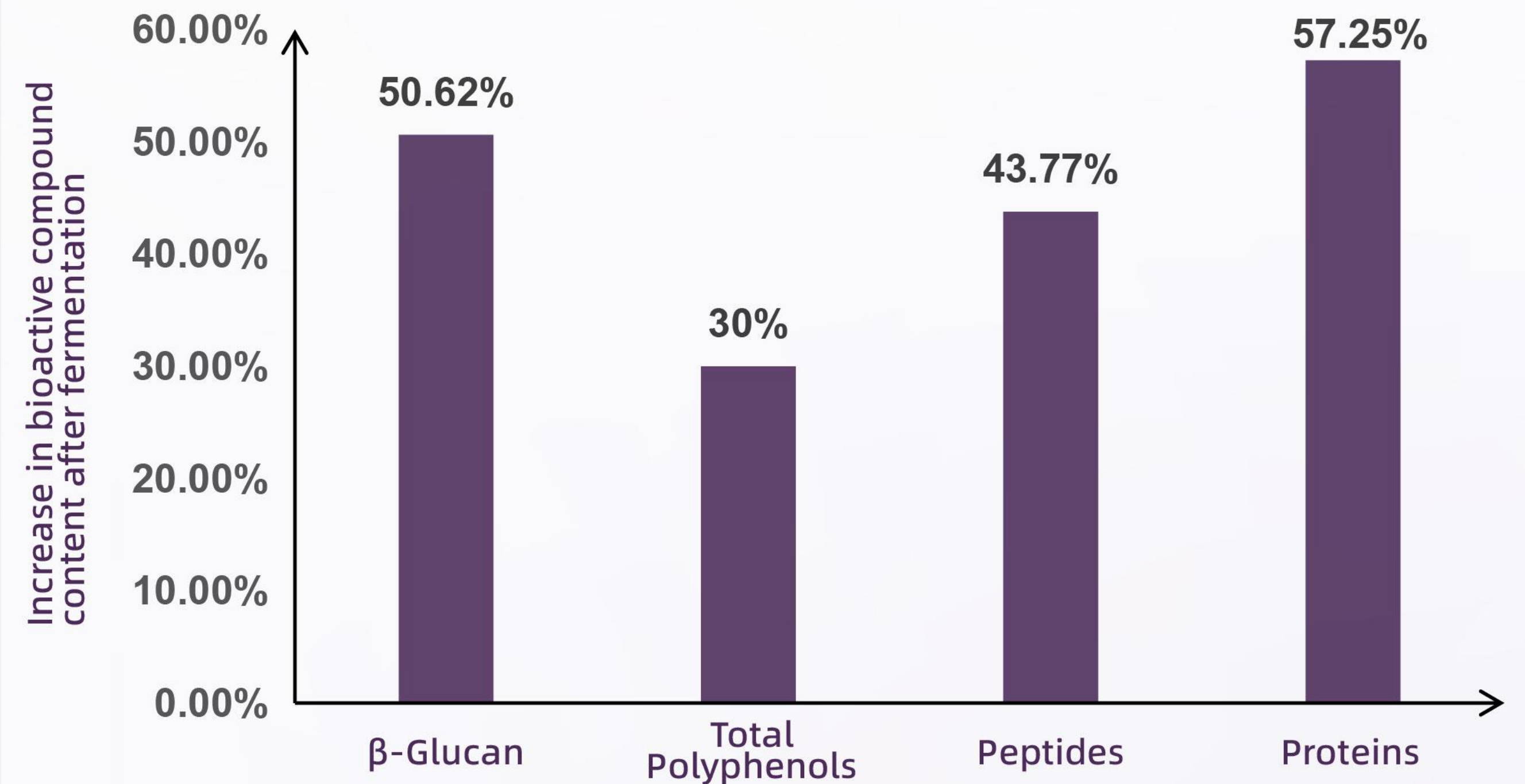


「QUANTIFICATION OF ACTIVE INGREDIENTS」



After biological fermentation, the extraction of bioactive compounds in oat bran, including β -glucan, peptides, total polyphenols, and proteins, is significantly increased. This enhances the antioxidant capacity and anti-aging/repair efficacy of oat extracts.

- ▶ **β -Glucan: ↑ 50.62%**
- ▶ **Total Polyphenols: ↑ 30%**
- ▶ **Peptides: ↑ 43.77%**
- ▶ **Proteins: ↑ 57.25%**



ZLEY®PF101-OATFERM

-QUANTIFICATION OF ACTIVE INGREDIENTS

After the biological fermentation process of oat bran and yellow rice wine yeast, the content of active substances in oat bran fermentation broth (such as 14 amino acids, total sugar, β -glucan, oat peptide, total polyphenols, protein, etc.) is significantly increased, which can improve the antioxidant resistance and anti-aging repair effect of oat yeast extract.

ACTIVES	CONTENT RANGE (N=14)	CONTENT AVERAGE(N=14)
TOTAL SUGAR	12.17~20.6 MG/ML	16.8 MG/ML
BETA-GLUCAN	4892.95~10070 UG/ML	7567.2 UG/ML
OAT PEPTIDE	336.8~200.76 UG/ML	265.5 UG/ML
PROTEIN	273.37~467 UG/ML	389.8 UG/ML
TOTAL POLYPHENOLS	155.9~194.2 UG/ML	169.2 UG/ML

Active substance content range and its mean value of 14 batches of oat bran fermentation broth

TEST ITEM(S)	TEST RESULT(MG/KG)
TRYPTOPHAN	0.36
TYROSINE	2.97
PHENYLALANINE	6.29
DL-METHIONINE	0.67
GLUTAMIC ACID	2.85
LYSINE	2.33
ASPARTIC ACID	0.35
ISOLEUCINE,ILE	5.48
LEUCINE	11.04
L-THREONINE	10.37
VALINE	5.77
PROLINE	2.09
SERINE;B-HYDROXYALANINE	0.30
ALANINE;3-AMINOPROPANOIC	4.72

Part . 03

「EFFICACY EVALUATION」



EFFICACY EVALUATION

INNOVATIVE ELEMENTS TO AMELIORATE LIFE

3.88× IMPROVEMENT IN SKIN REPAIR ABILITY WITHIN 4 H



Test basis: Test method for hsf scratch assay Q / SXZL 011-2023

Test rationale: Cell migration refers to the movement of cells after receiving a migration signal or feeling the stimulus of certain substances, and the ability of cell migration increases, indicating a role of promoting trauma. This test evaluates the healing effect of the test object by calculating the healing rate of cell scratches.

Table 1: Results ZLEY®PF101-OATFERM on HSF scratches

Result	Blank control	ZLEY®PF101-OATFERM	
		1.5%	6.5%
Healing rate	2.62±1.70%	2.82±1.32%	10.17±4.28%
P value	/	> 0.05	< 0.05

► Conclusion:

The healing rate of HSF scratch in ZLEY®PF101-OATFERM was significantly higher than that of the blank control group (P <0.05), and the 4h repair power was significantly improved by **3.88 times**.

Figure 1: Healing of HSF scratches by ZLEY®PF101-OATFERM

	BLANK	SAMPIE (1.5%)	SAMPIE (6.5%)
0h			
4h			

「EXCELLENT HUMAN SAFETY PROFILE」



Use **10% ZLEY®PF101-OATFERM serum** according to the product instructions, observe the skin reaction of the subjects, and record the results of the classification standard of skin adverse reactions in human trial test in the 2015 edition of Cosmetics Safety Technical Specification, and the trial number is a single time.

Cosmetic human body is applicable to the experimental results

SUBJECTS	NUMBER OF SUBJECTS	LOCAL SKIN ADVERSE REACTIONS (GRADE)				
Original	26	0	1	2	3	4
		26	0	0	0	0

The results of the human trial test showed that none of the 26 subjects did not have any adverse skin reactions, which showed that the test product had a good safety profile.

「SOOTHING & REPAIRING EFFECTS; STRENGTHENS THE SKIN BARRIER」



Twenty-six subjects used 10% ZLEY®Oatferm

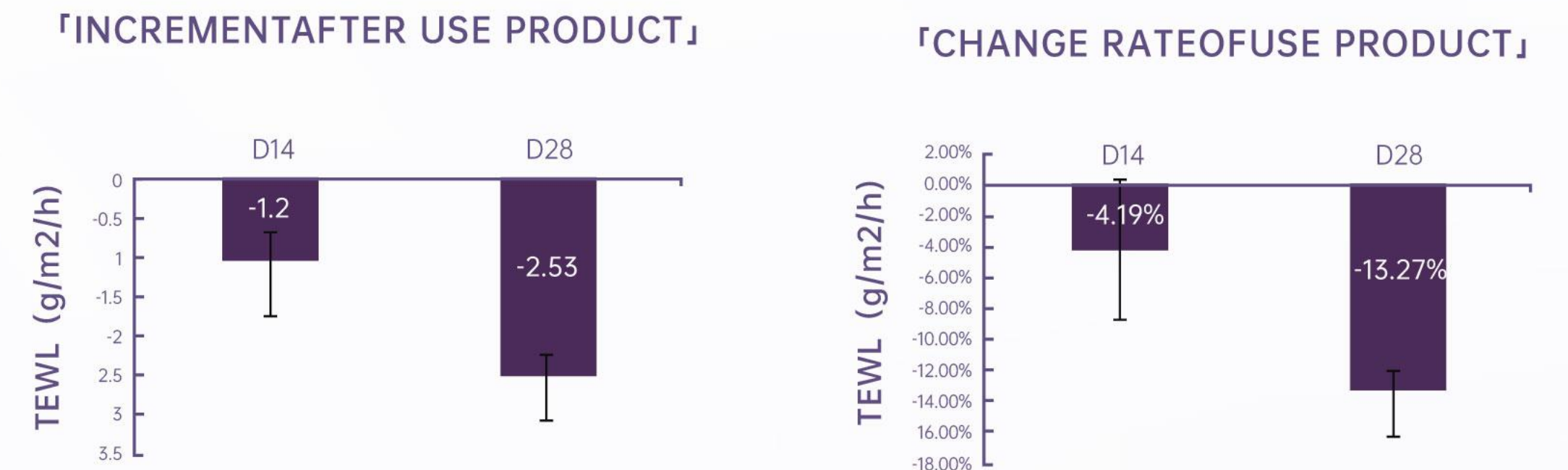
After 28 days, the moisture content of the facial cuticle significantly increased by **76.40%** ($P < 0.001$), and the percutaneous water loss significantly decreased by **13.27%** ($P < 0.001$);

The results showed that 10%ZLEY®Oatferm was moisturizing, soothing and repairing after 28 days;



Results Analysis:

After using the product for 14 days, the moisture content of the subjects' facial stratum corneum significantly increased by **60.75%** ($P < 0.001$). After using the product for 28 days, the moisture content of the subjects' facial stratum corneum significantly increased by **76.40%** ($P < 0.001$). This indicates that continuous use of the test product for 14 days and 28 days can significantly increase the moisture content of the stratum corneum, demonstrating moisturizing and hydrating effects.



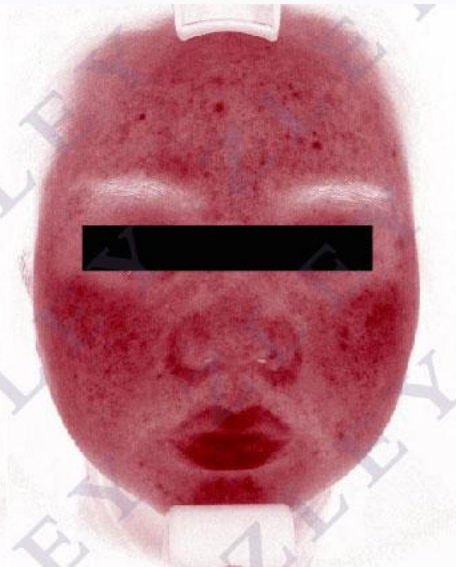
Results Analysis:

After using the product for 28 days, the transepidermal water loss of the subjects' facial skin significantly decreased by **13.27%** ($P < 0.001$). This indicates that continuous use of the test product for 28 days can significantly reduce transepidermal water loss, demonstrating an enhancement in skin barrier function and repair effects.

「SOOTHING & REPAIRING EFFECTS; STRENGTHENS THE SKIN BARRIER」



Experimental process: D0-D28, use 10% ZLEY®PF101-OATFERM serum essence, once in the morning and evening

Volunteer	:	D0	D28	Redness reduction rate	Volunteer	:	D0	D28	Redness reduction rate
1	:			↓ 39.47%	3	:			↓ 27.54%
2	:			↓ 28.02%	4	:			↓ 15.18%

The above results show that the continuous use of the test 10% ZLEY®PF101-OATFERM serum after 28 days has the effect of soothing and fade red

SOOTHING & REPAIRING EFFECTS; STRENGTHENS THE SKIN BARRIER



Scoring criteria for soothing skin effects after using 10% ZLEY®PF101-OATFERM serum:

5 points (very good soothing effect)

4 points (better soothing effect)

3 points (general soothing effect)

2 points (no soothing effect)

1 point (reverse effect)

Statistical method: The number of scores greater than 3 is considered a soothing effect.

According to the consumer questionnaire, **96.67%** of the subjects thought the product had soothing effects.

TEST

Effective = effective / total 100%
Table 9 Record form of self-evaluation test results for soothing skin effect

Subjects	Number	Sex	Age	Score after 28 days of use
10%ZLEY®PF101-OATFERM serum	01	F	27	4
	02	F	30	4
	03	F	35	4
	04	F	51	5
	05	F	25	4
	06	F	44	4
	07	M	34	3
	08	F	31	4
	09	M	52	4
	10	M	52	4
	11	M	29	5
	12	F	52	5
	13	F	35	2
	14	F	45	4
	15	F	33	4
	16	F	36	4
	17	F	50	4
	18	F	29	4
	19	F	37	3
	20	F	38	5
	21	F		5
	22	F	52	5
	23	F	29	4
	24	F	47	4
	25	F	30	5
	26	F	32	4

Result analysis:After 28 days, 96.67% of the product considered soothing

「IMPROVES SKIN ELASTICITY AND FIRMNESS」



Twenty-six subjects used 10% ZLEY®PF101-OATFERM serum

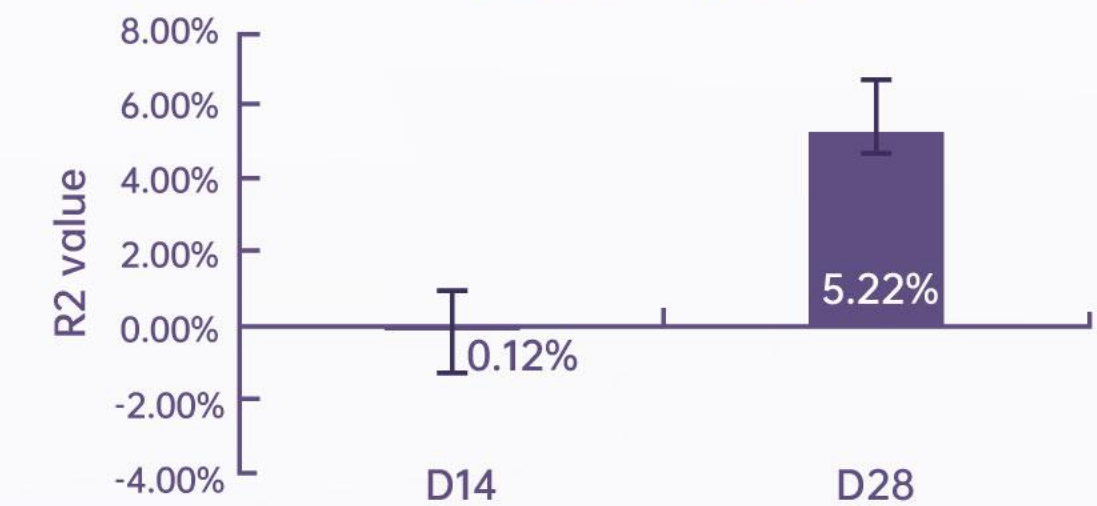
- After 28 days, after 28 days of continuous use of the test product, the R2 value of skin elasticity significantly increased by 5.22% (P=0.003);
- R2 is the skin elasticity index, the higher the value, the better the skin elasticity;
- The results show that the continuous use of 10% ZLEY®PF101-OATFERM serum for 28 days can improve the skin elasticity.

* Note: $P > 0.05$ indicates no significant difference; $0.01 < P < 0.05$ indicates a significant difference; $P < 0.01$ indicates a highly significant difference

INCREMENT AFTER USE PRODUCT



THE MEAN VALUE OF PRODUCT BEFORE AND AFTER USE



CHANGE RATE OF USE PRODUCT



(Significance labeling method: $P > 0.05$ indicates no significant difference; $0.01 < P < 0.05$ indicates the significant difference, marked by ***; $P < 0.01$ indicates the most significant difference, marked with "**")

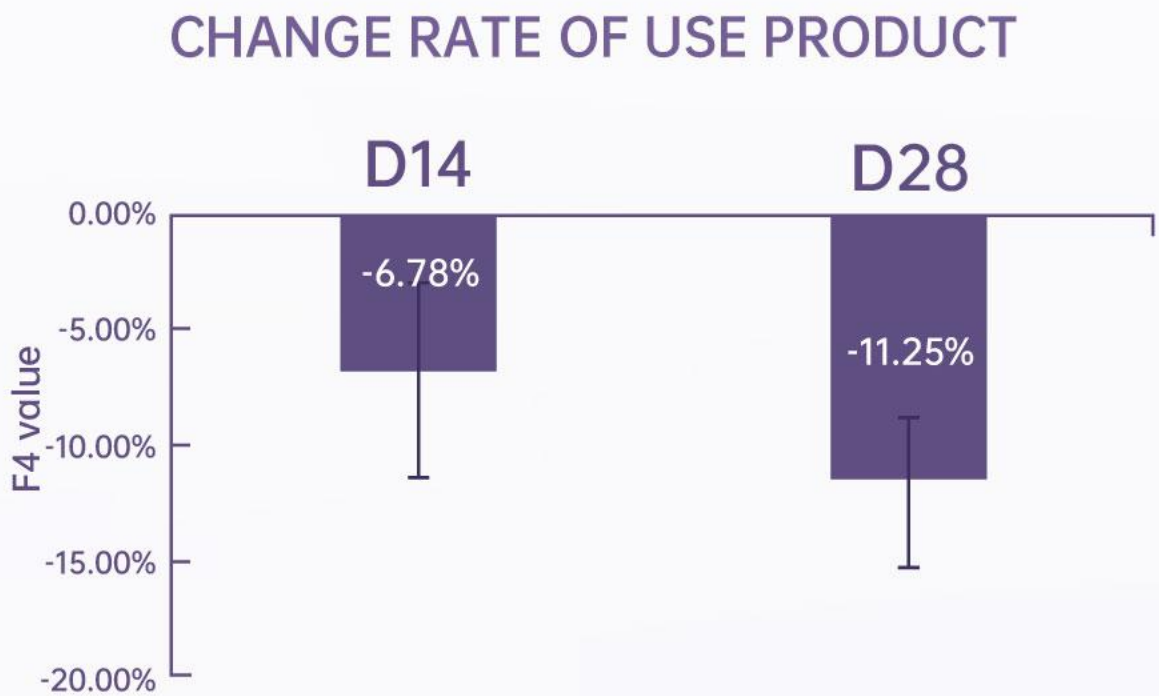
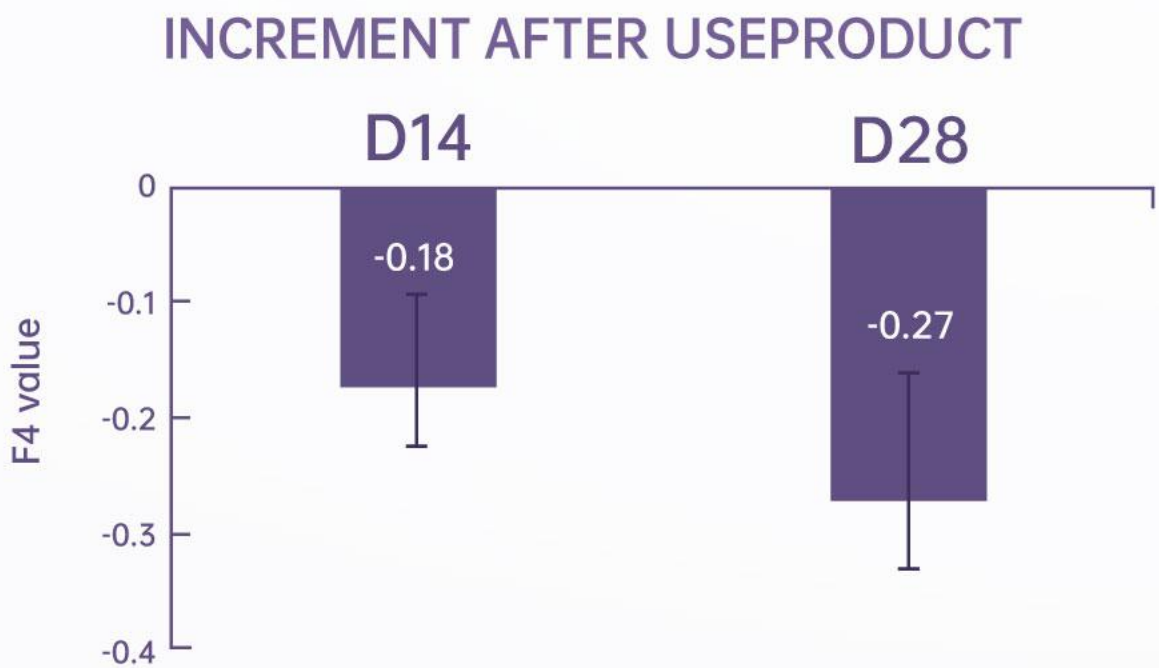
「IMPROVES SKIN ELASTICITY AND FIRMNESS」



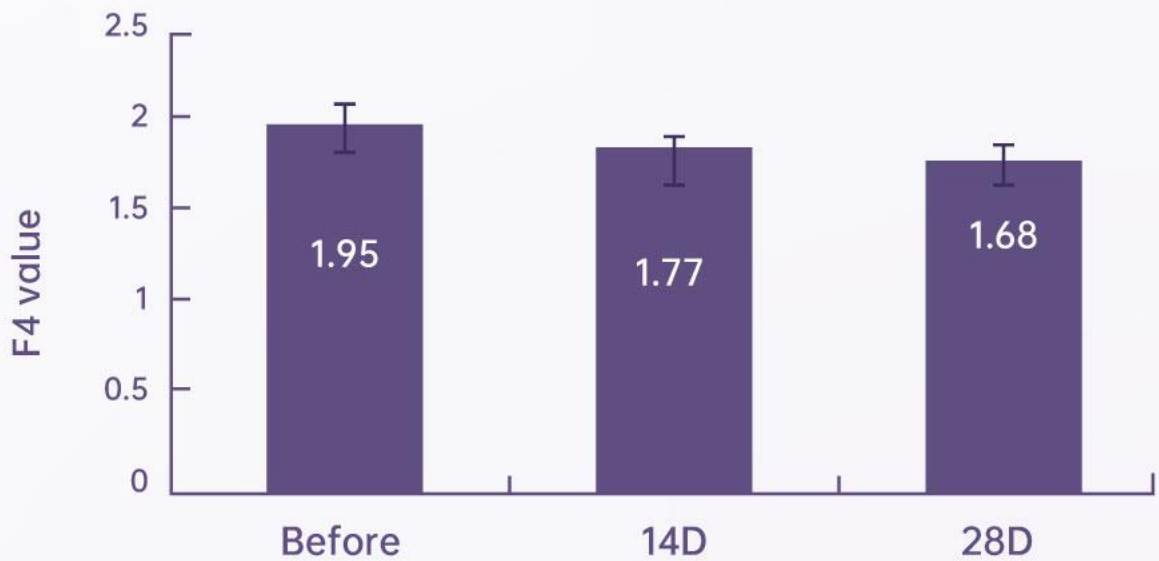
Twenty-six subjects used 10% ZLEY®PF101-OATFERM serum

- After 28 days, after 28 days of continuous use of the test product, the **F4** value of skin firmness significantly increased by **11.25%** ($P=0.003$);
- F4 is the skin elasticity index, the higher the value, the better the skin firmness;
- The results show that the continuous use of 10% ZLEY®PF101-OATFERM serum for 28 days can improve the skin firmness.

* Note: $P > 0.05$ indicates no significant difference; $0.01 < P < 0.05$ indicates a significant difference; $P < 0.01$ indicates a highly significant difference



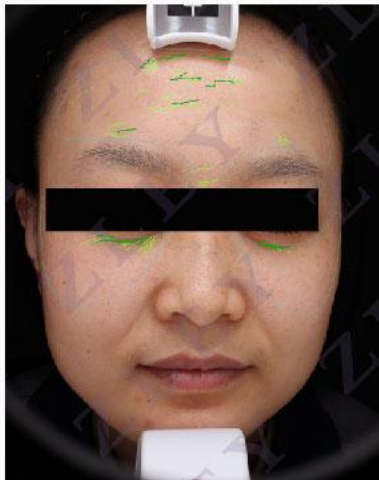
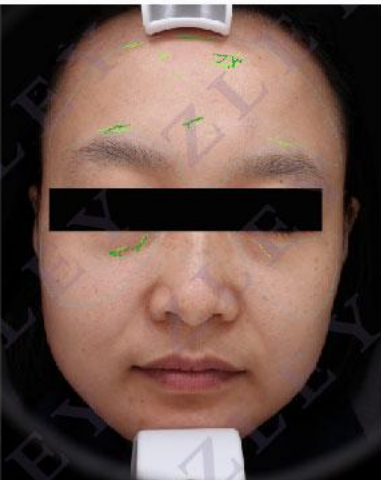
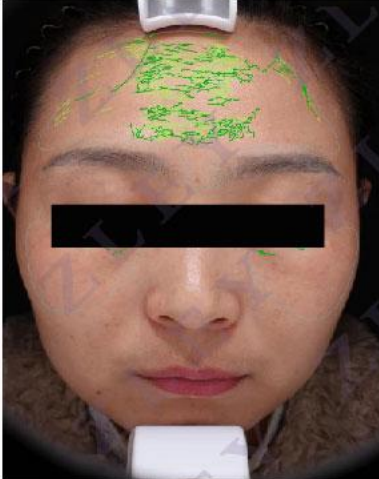
AVERAGE VALUE BEFORE AND AFTER PRODUCT USE



「 ANTI-WRINKLE EFFICACY 」



Experimental process: D0-D28, use 10% ZLEY®PF101-OATFERM serum, once in the morning and evening

Volunteer	:	D0	D28	Wrinkle reduction rate	Volunteer	:	D0	D28	Wrinkle reduction rate
1	:			↓ 48.00%	4	:			↓ 27.27%
2	:			↓ 47.83%	5	:			↓ 25.00%
3	:			↓ 40.54%	6	:			↓ 19.23%

The above results indicate that continuous use of the 10% ZLEY®PF101-OATFERM serum for 28 days has an anti-wrinkle effect.

「ANTIBACTERIAL EFFECT」



- (1)Experimental method: Bacteriostatic Test Method for Cosmetic Raw Materials Q / SXZL 008-2022
- (2) Test sample: ZLEY®PF101-OATFERM
- (3) Evaluation criteria: 90% of the antibacterial results on day 3 and no increased antibacterial results on day 7 were judged to have strong antibacterial effect.

Table: Evaluation criteria of ZLEY®PF101-OATFERM on propionibacterium acnes and Malassezia furfura

Test the strain	Test time	Action concentration	Mean colony number in the control group (CFU/ml)	Average number of colonies in the test group(CFU/ml)	Inhibition rate (%)
Propionibacterium acnes	3days	Stoste	2.3×10 ⁵	0	>90%
	7days				>90%
Malassezia furfur	3days		3.3×10 ⁵	0	>90%
	7days				>90%

ZLEY®Oatferm has a strong bacteriostatic effect on propionibacterium acnes and Malassezia, and can effectively care for acne skin and scalp.

Part . 04

「TECHNICAL INFORMATION」



TECHNICAL INFORMATION

INNOVATIVE ELEMENTS TO AMELIORATE LIFE



「ZLEY®PF101-OATFERM」

INCI NAME	Saccharomyces Ferment, Yeast Polysaccharides, Water, Hydroxyacetophenone, 1,2-Hexanediol
CAS NO:	/,/, 7732-18-5, 99-93-4, 6920-22-5
APPEARANCE	Yellow liquid, with a characteristic odor
RECOMMENDED USAGE	1-75%
SOLUBILITY	Water at room temperature is transparent
FORMULA OPERATION	Add to the system at room temperature and stir well
ATTENTION	Long-term placement of raw materials in a low-temperature environment is easy to produce precipitation
APPLICATION	Transparent system (essence, facial mask, etc.), emulsification system (emulsion, face cream, etc.)
EFFECT	Soothing red repair, maintain stability and repair, enhance the skin barrier, anti-wrinkle tightening
SELLING POINTS	• Oat bran source, the sustainable use of natural resources, the realization of "sustainable beauty makeup", to inject "green power into the" double-carbon " goal. • MULT-directional extraction and natural mimicry fermentation process is rich in 14 essential trace amino acid components and 5 kinds of biological sources activity ingredients (yeast polysaccharides, β-glucan, total polyphenols, oat protein, oat polypeptide). • Combined with the dual microflora regulation system of prebiotic + metazoan, the sensitive muscle micro-ecology, strengthened the invisible protective layer, and the significant repair force in 4h was coordinated 3.88 times.

SKIN-REPAIRING DAY AND NIGHT ESSENCE

Phase	Ingredient	INCI Name	ω%	Supplier
A	Deionized water	Water	To 100	—
	Glycerin	Glycerin	3.00	—
	ZLEY®BIOCARE-CPH	Chlorphenesin	0.15	ZLEY
	EDTA-2Na	Disodium Edta	0.02	ZLEY
	HA	Sodium Hyaluronate	0.15	—
A1	Butylene Glycol	Butylene Glycol	10.00	—
	ZLEY®FA	Ferulic Acid	0.20	ZLEY
B	ZLEY®BIOCARE-ZHD	1,2-Hexanediol	0.60	ZLEY
	ZLEY®PULAIN301	Water,Hydroxypropyl Tetrahydropyrantriol,1,2-Hexanediol,Pentylene Glycol	3.00	ZLEY
	ZLEY®PE203-KAENDA	Piper Methysticum Root Extract, Hydroxypropyl Cyclodextrin, Butylene Glycol, Water	1.00	ZLEY
	ZLEY®DMI	Dimethyl Isosorbide	0.50	ZLEY
	ZLEY®SS	Sodium Sulfite	0.12	ZLEY
	ZLEY®PF101-OATFERM	Saccharomyces Ferment, Yeast Polysaccharides, Water, Hydroxyacetophenone1,2-Hexanediol	5.00	ZLEY

「Core Ingredients」

Balancing Microbiome: 5.00% ZLEY®PF101-OATFERM

Repairing Basement Membrane: 3.00% ZLEY®PULAIN301

High-Efficiency Antioxidant: 0.20% ZLEY®FA

Soothing and Anti-Allergic Agent: 1.00% ZLEY®PE203-KAENDA

「Appearance」

Transparent essence

「pH Value (10% Sol.)」

5.00-6.00

「Process Parameters」

- ① Mix phase A, stir and heat to 80°C, rapidly homogenize for 3 minutes until uniform, keep warm for 20 minutes; stir and cool;
- ② At 65°C, add phase A1, stir evenly, keep warm for 5 minutes, cool;
- ③ At 45°C, add phase B raw materials sequentially, stir evenly;
- ④ Discharge at 45°C.

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[INNOVATIVE ELEMENTS TO AMELIORATE LIFE]

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400-092-8866

EMAIL: SERVICES@ZLEYGROUP.COM



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