PEPTIDE MEISTER

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PEPTIDES

& MORE

PROFESSIONAL PEPTIDE MANUFACTURER

A variety of peptide solutions to be compatible with various formula systems.

Water soluble **Oil soluble** **Polyol soluble** **Liposome**

Peptides & More

PEPTIDE MEISTER

PROFESSIONAL PEPTIDE MANUFACTURER

A variety of peptide solutions to be compatible with various formula systems.

Water soluble **Oil soluble** **Polyol soluble** **Liposome**

Product code	Trade Name	INCI Name	Efficacy	Application	Solubility
13500301	SpecPep® SC-AH8 (0.05%)	Acetyl Hexapeptide-8	Wrinkles, Elasticity	Face Neck Body	Water soluble
13500800	SpecPep® 3AK	Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7	Wrinkles, Firming		Water soluble
13506300	SpecPep® MCC21 (0.001%)	S-Mu-Conotoxin CnIIIC (Arginine/Lysine Polypeptide)	Wrinkles, Firming	Face Neck	Water soluble
13502301	SpecPep® SKE	Dipeptide Diaminobutyroyl Benzylamide Diacetate	Wrinkles, Firming		
13506600	SpecPep® WA	Dipeptide Diaminobutyroyl Benzylamide Diacetate, S-Mu-Conotoxin CnIIIC (Arginine/Lysine Polypeptide), Acetyl Hexapeptide-8, Palmitoyl Tripeptide-5, Nonapeptide-1, Carnosine	Wrinkles, Firming		
13508700 Patent New 2024 Launch	SpecPep® NIP Pro	Glutamyl amidoethyl Imidazole, Dipeptide Diaminobutyroyl Benzylamide Diacetate, Acetyl Hexapeptide-8	Wrinkles, Firming		Water soluble
13509400 New 2024 Launch	SpecPep® NIP Liposome	Acetyl Hexapeptide-8, Dipeptide Diaminobutyroyl Benzylamide Diacetate, S-Mu-Conotoxin CnIIIC (Arginine/Lysine Polypeptide) Copper Tripeptide-1, Ectoin	Wrinkles, Firming		Water soluble
13510000 Patent New 2024 Launch	SpecKare® E-GCu11 Solution	Copper Tripeptide-1, Ectoin	Soothing, Firming		Water soluble
11001710	SpecPlex® Goldwhiten	Glycyrrhiza Glabra (Licorice) Root Extract, Tranexamic Acid, Niacinamide, Carnosine	Whitening, Lightening	Skin Body	Water soluble
13502503 New 2024 Launch	SpecPep® Whiten-1 OS (0.05%)	Nonapeptide-1	Whitening		Oil soluble
13500603	SpecPep® GHK-Cu (0.1%)	Copper Tripeptide-1	Repairing, Rejuvaneting	Skin Hair Lip	Water soluble
13509100	SpecPep® SoothFine	Palmitoyl Tripeptide-8, Acetyl Tetrapeptide-2, sh-Pentapeptide-1	Soothing sensitivity	Skin Hair Body	Water soluble
16004500	SpecPlex® PCalm	Poria Cocos Sclerotium Extract, Portulaca Oleracea Extract, Palmitoyl Tripeptide-8, Dipotassium Glycyrrhizate	Soothing sensitivity	Skin Hair Body	Water soluble
11005200 Patent	SpecPlex® Gloss	Lactobionic Acid, Carnosine, Nonapeptide-1, Tranexamic Acid, Mandelic Acid, Niacinamide	Brightening & Aging	Skin Body	Water soluble
12003800 Patent	SpecPlex® GPS	Palmitoyl Pentapeptide-4, Palmitoyl Tetrapeptide-7, Acetyl Hexapeptide-8, Ginkgo Biloba Leaf Extract	Photo-aging, anti-inflammatory, Barrier reparing		Water soluble
13509000	SpecPep® AcneCare	Hexapeptide-9, Oligopeptide-3, Nonapeptide-1, Malobionic Acid, Arginine	Acne Soothing		Water soluble
12001900	SpecKare® EyeS100	Poria Cocos Sclerotium Extract, Acetyl Tetrapeptide-5, Dipeptide-2	Wrinkles, Eye-bags, Dark circles	Eye	Polyol soluble
13509200	SpecPep® EyesCare	Palmitoyl Tetrapeptide-7, Carnosine, Dipeptide-2, Adenosine, Acetyl Tetrapeptide-5, Palmitoyl Tripeptide-5	Wrinkles, Eye-bags, Dark circles		Water soluble
13509300	SpecPep® LipPlump	Palmitoyl Tripeptide-38, Acetyl Hexapeptide-37, Acetyl Hexapeptide-38, Hexapeptide-3	Plump lips	Lip	Oil soluble
17001800	SpecKare® BT1HG	Apigenin, Oleanolic Acid, Biotinoyl Tripeptide-1	Scalp Health, Hair Care	Scalp Hair	Water soluble
17003500	SpecKare® HC 401	Hydrolyzed Collagen, Glycine, Hydrolyzed Pea Protein, Carnosine, Yeast Ferment Extract	Hair care		

The above products all comply with EU, USA regulations

REPAIRING
BRIGHTENING





SpecPed® GHK-Cu (0.1%)

Product Code: 13500603

Active Ingredient: Copper Tripeptide-1

The active ingredient of SpecPed® GHK-Cu (0.1%) is Copper Tripeptide-1, It has features as below:

- A signal peptide and carrier peptide
- Promoting wound healing and skin repairing
- Anti-wrinkle and skin firming
- Anti-aging

Therefore, SpecPed® GHK-Cu (0.1%) can be recommended to use as an ingredient for anti-wrinkle, anti-aging, skin- and hair-repairing personal care products.

Product Information

Application	Skin care, lip care and hair care: toner, essence, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	5 - 50%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg



New 2024 Launch

SpecPed® Whiten-1 OS (0.05%)

Product Code: 13502503

Active Ingredient: Nonapeptide-1

SpecPed® Whiten-1 OS (0.05%) is an oil soluble peptide solution, the active ingredient is Nonapeptide-1. It has features as below:

- Inhibit the production of melanin from the source
- Prevent melanin synthesis by preventing activation of the tyrosinase
- Prevent unwanted pigmentation, allowing for a better control over skin tone
- Tackle the root of lightening problems, brightening skin inside out
- Can be used day or night for daily skin care

Therefore, SpecPed® Whiten-1 OS (0.05%) can be recommended to use as an ingredient for whitening, freckle removal, brightening cosmetics.

Product Information

Application	Skin care and body care: essence oil, essence cream, essence lotion, etc.
Solubility	Oil soluble
Rec. use level	0.02 - 1.0%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg



SpecPlex® Goldwhiten

Product Code: 11001710

Active Ingredient: Glycyrrhiza Glabra (Licorice) Root Extract, Tranexamic Acid, Niacinamide, Carnosine

SpecPlex® Goldwhiten is a cutting-edge brightening product designed to address the demand for even-toned, radiant skin. It combines effective actives like Licorice Root Extract, Niacinamide, Tranexamic Acid, and Carnosine to target hyperpigmentation, promote skin luminosity, and protect against oxidative stress. It has following features:
Powerful Brightening Actives:

- Licorice Root Extract: Reduces melanin production by inhibiting tyrosinase.
- Niacinamide: Enhances skin barrier, evens tone, and boosts radiance.
- Tranexamic Acid: Reduces dark spots by blocking melanin pathways.
- Carnosine: Provides antioxidant protection and reduces environmental stress.
- Water-Soluble: Fully soluble in water, suitable for serums, creams, and lotions.
- Gentle and Stable: Safe and skin-friendly with excellent stability.

SpecPlex® Goldwhiten can be recommended to use for skin brightening and whitening in cosmetics.

Product Information

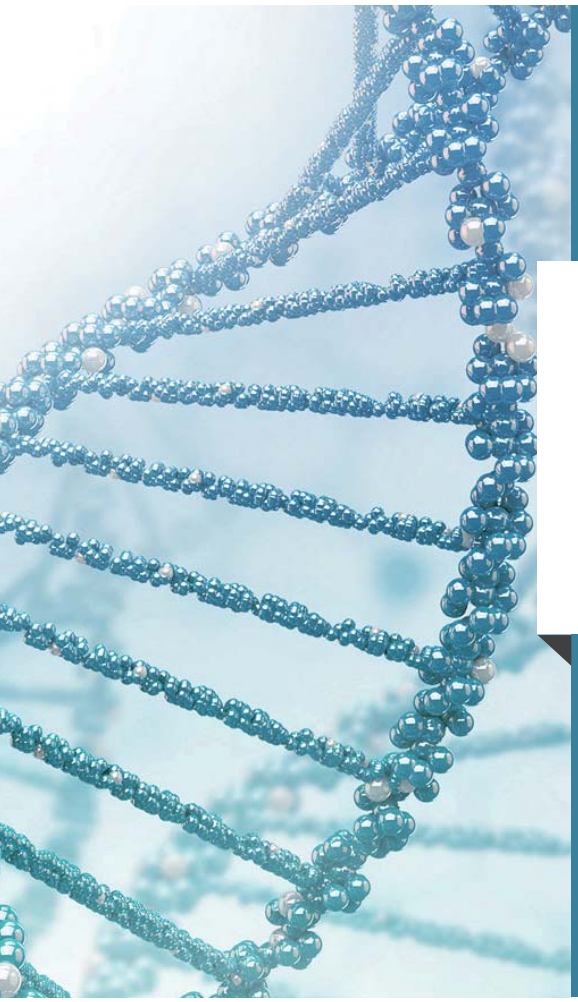
Application	Skin care, body care: cream, lotion, toner, etc.
Solubility	Water soluble
Rec. use level	1.0-5.0%
Storage	Store at room temperature. Keep container tightly closed, away from light.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

WRINKLES

Face care **Neck care**

Body care





SpecPed® SC-AH8 (0.05%)

Product Code: 13500301

Active Ingredient: Acetyl Hexapeptide-8

The active ingredient of SpecPed® SC-AH8 (0.05%) is Acetyl Hexapeptide-8, a kind of NIP (Neurotransmitter Inhibitory Peptide), it functions as below:

- Intercept neurotransmitter signals
- Help to relax muscles and reduce the depth and width of wrinkles
- Upregulate ECM-related genes to improve the elasticity and firmness of the skin
- Help to promote Type I collagen synthesis to tighten sagged skin, replace injection
- Smooth dynamic lines, static lines and fine lines
- Induce Botox-like effect in a much safer, non-toxic, non-invasive way

Due to its good water solubility, SpecPed® SC-AH8 (0.05%) can be applied in daily skin care products with ease. Therefore, SpecPed® SC-AH8 (0.05%) can be recommended to use as an ingredient for anti-wrinkle, anti-aging, firming and smoothing cosmetics.

Product Information

Application	Facial care, neck care, body care, such as toner, serum, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	3 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy Test

Anti-wrinkle Test of 10% SpecPed® SC-AH8 (0.05%)

SGS

Minimum effective concentration=50 ppm !

[0.1*0.0005*1000000 (ppm)=50 (ppm), as an active substance]

Test Report **No: SHCPCH150803541E-2.2** **Date: Nov 02 2015**

Summary

Test Product .....:10% SpecPed TM SC-AH8
Subjects .....: Number of individuals: 20
Sex .....: Female
Age range .....: >35 years old
Skin.....: obvious fine lines and wrinkles on the Crow's feet
Test site .....: Crow's feet
Application Duration....:8 weeks
Application Method..... :Twice a day, morning and night
Test Period .....: 8 weeks
Test Parameters .....:1. Determination of skin elasticity parameter F3/F4 and skin firmness parameter F4 with Cutometer MPA580
2. Volunteers' evaluation
Design of Study .....: Evaluate the anti-wrinkle efficacy of the test product after applying 8 weeks

Table1 The degree of satisfaction about the skin improvement after using the product

		4 weeks after using (%)	8 weeks after using (%)
The smooth feeling of skin	Crow's feet	75	90
	Angulus oris	70	80
Reduction of fine lines	Crow's feet	75	85
	Angulus oris	65	85
Minimization of fine lines	Crow's feet	60	90
	Angulus oris	60	90
Skin elasticity	Crow's feet	75	90
	Angulus oris	70	90
Skin texture		75	90

Photos of the volunteers



Fig.1 Photo of the left face at D0



Fig.2 Photo of the left face at D28



Fig.3 Photo of the left face at D56

Satisfaction @50ppm

90% volunteers thought that their skin was improved after applying the product for 8 weeks.

Incompatibility

No incompatibility was observed in or reported by any of the volunteers.

Anti-wrinkle Test of 10% SpecPed® SC-AH8 (0.05%)

Elasticity Improvement @50ppm

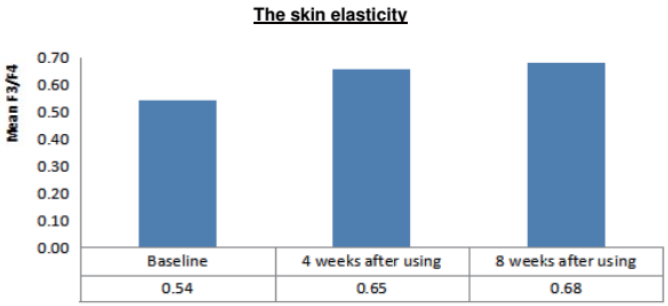


Fig. 1-1 Skin elasticity

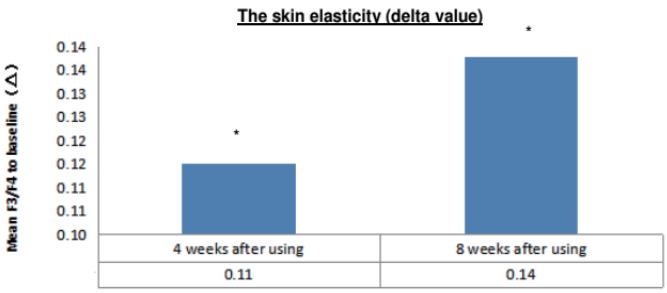


Fig. 1-2 △ Skin elasticity

*Ps:*means comparing with baseline has a significant difference (p<0.05)*

Results

Comparing with the baseline, the value of F3/F4 was closer to 1 after applying the product for 8 weeks with a significant difference, the elasticity of skin improved obviously.

Firmness Improvement @50ppm

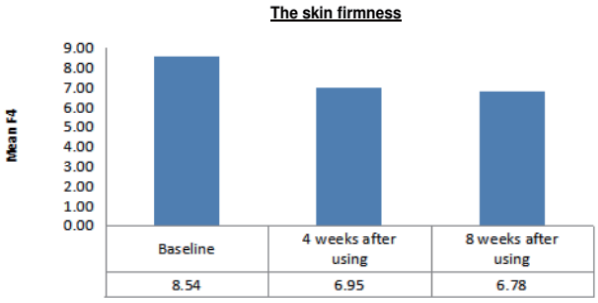


Fig. 2-1 Skin firmness

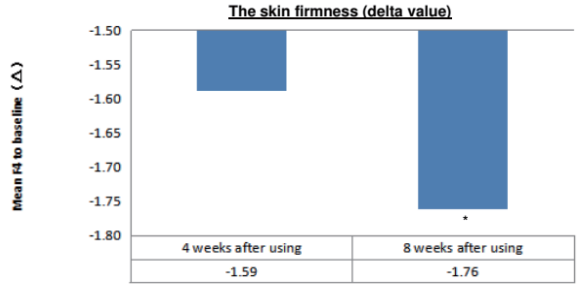


Fig. 2-2 △ Skin firmness

*Ps:*means comparing with baseline has a significant difference (p<0.05)*

Results

Comparing with the baseline, the value of F4 was reduced significantly after applying the product for 8 weeks, the firmness of skin improved obviously.



SpecPed® 3AK

Product Code: 13500800

Active Ingredient: Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7

The active ingredients of SpecPed® 3AK are Palmitoyl Tripeptide-1 and Palmitoyl Tetrapeptide-7, they have functions as below:

- Palmitoyl Tripeptide-1 is a matrikine signal peptide
- Palmitoyl Tripeptide-1 acts on the dermis, promoting the synthesis of collagen, elastin and laminin which form the extra-cellular matrix
- Palmitoyl Tripeptide-1 can promote wound recovery, strengthen the dermis layer, make the skin firm and reduce wrinkles
- Palmityl Tetrapeptide-7 reduces inflammatory cytokines in skin cells and plays an important role in delaying skin aging
- Two oligopeptides exhibit excellent synergy in stimulating the synthesis of collagen, fibrinogen and hyaluronic acids

Therefore, SpecPed® 3AK can be recommended to use as an ingredient for anti-wrinkle, anti-aging, firming and repairing cosmetics.

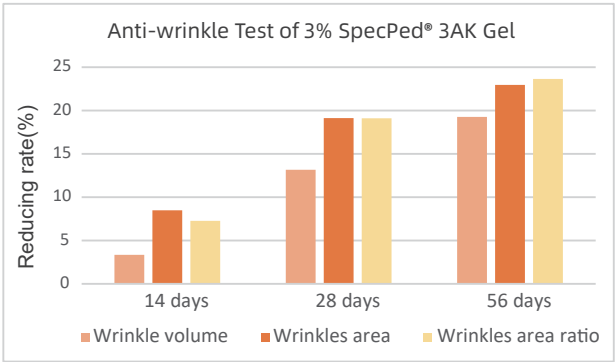
Product Information

Application	Facial care, neck care and body care, such as toner, serum, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	3 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy Test

Anti-wrinkle Test of 3% and 10% SpecPed® 3AK gel

Product	3% and 10% SpecPed® 3AK gel
Subjects	3%: 15 females, 10%: 15 females
Age range	25 - 55 years old
Test Site	Face
Period	8 weeks
Test Parameters	Wrinkle volume, wrinkle area, wrinkle area ratio
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening
Design of Study	Evaluate the anti-wrinkle efficacy of the tested product after 8 weeks



Conclusion

After 14, 28, 56 days application of 3% SpecPed® 3AK gel:
Wrinkle volume: ↓ 3.35%, ↓ 13.17%, ↓ 19.26%.
Wrinkles area: ↓ 8.48%, ↓ 19.12 %, ↓ 22.96 %.
Wrinkles area ratio: ↓ 7.27%, ↓ 19.09%, ↓ 23.64%.

Typical subject images



0 D



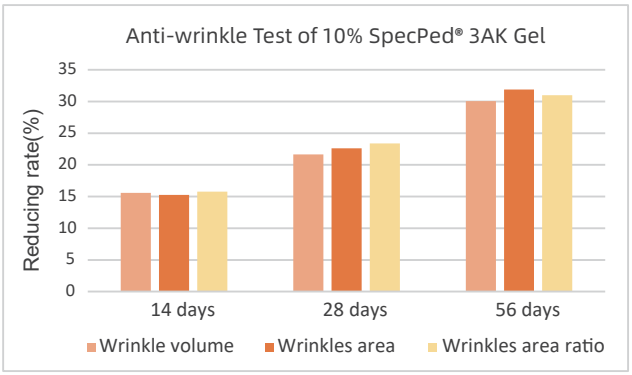
14 D



28 D



56 D



Conclusion

After 14, 28, 56 days application of 10% SpecPed® 3AK gel:
Wrinkle volume: ↓ 15.58%, ↓ 21.65%, ↓ 30.07%.
Wrinkles area: ↓ 15.26%, ↓ 22.60 %, ↓ 31.90 %.
Wrinkles area ratio: ↓ 15.79%, ↓ 23.39%, ↓ 30.99%.

Typical subject images



0 D



14 D



28 D



56 D



SpecPed® MCC21 (0.001%)

Product Code: 13506300

Active Ingredient: S-Mu-Conotoxin CnIIIC (Arginine/Lysine Polypeptide)

The active ingredient of SpecPed® MCC21 (0.001%) is Arginine/Lysine Polypeptide, it has features as below:

- Safe alternative to Botox
- Biomimetic molecular design, safe and non-toxic
- Highly bioactive, clear mechanism
- Effective absorption from skin, no need for injection
- No risk of facial paralysis, maintain normal facial expression
- Strong potential in reducing dynamic lines & permanent static lines
- Water soluble, and easy to use

Therefore, SpecPed® MCC21 (0.001%) can be recommended to use as an ingredient for anti-wrinkle and anti-aging cosmetics.

Product Information

Application	Facial care and neck care, such as toner, serum, cream, lotion, gel, etc.
Solubility	Water soluble
Rec. use level	1 - 25%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy Test

Anti-wrinkle Test (5.0% MCC21(0.001%) VS 5.0% Benchmark (0.001%))

Fig. 1 The wrinkle volume

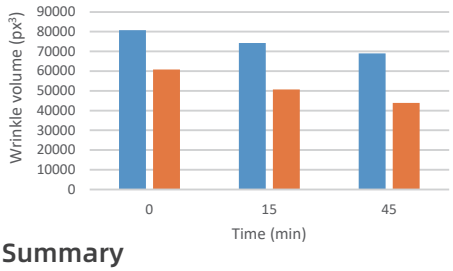


Fig. 2 The wrinkle area

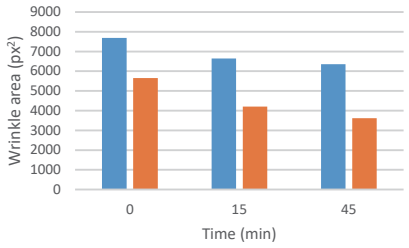
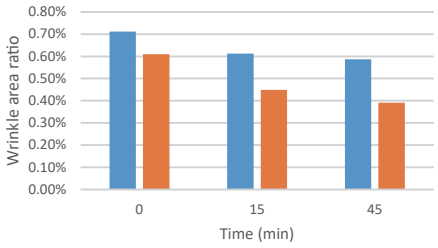


Fig. 3 The wrinkle area ratio



Summary

After applying facial mask containing 5% SpecPed® MCC21 (0.001%) or 5% Benck mark with the same concentration, all the tested paramters (the wrinkle volume, wrinkle area, wrinkle area ratio) decreased.

SpecPed® MCC21 (0.001%) showed better anti-wrinkle and anti-aging properties, it was more effective.

Skin Elasticity (5.0% MCC21(0.001%) VS 5.0% Benchmark (0.001%))

Fig. 4 The ISE value at different time points

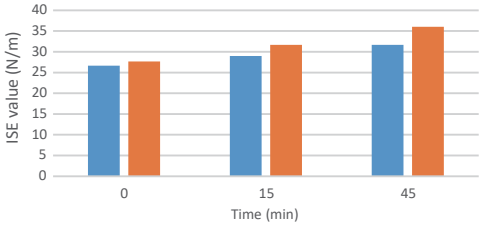
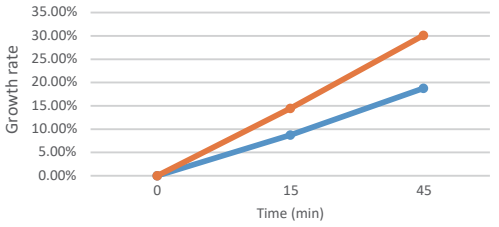


Fig. 5 The growth rate of skin elasticity at different time points



After applying facial mask containing 5% SpecPed® MCC21 or 5% Benck mark with the same concentration, the skin elasticity increased. SpecPed® MCC21 (0.001%) showed better skin elasticity-improving properties.



SpecPed® SKE

Product Code: 13502301

Active Ingredient: Dipeptide Diaminobutyroyl Benzylamide Diacetate

The active ingredients of SpecPed® SKE is Dipeptide Diaminobutyroyl Benzylamide Diacetate, it has features as below:

- Typical NIP (Neurotransmitter Inhibitory Peptide)
- Structurally similar to the acetylcholine (ACh) molecule
- High affinity for acetylcholine receptors (AChR) at neuromuscular j unctions, blocking the the ACh flow
- Efficiency in relaxing muscle and reducing dynamic wrinkles
- Molecular weight less than 500 D a, small enough to penetrate into the skin

Therefore, SpecPed® SKE can be recommended to use as an ingredient for anti-wrinkles, anti-aging, lifting, and firming cosmetics.

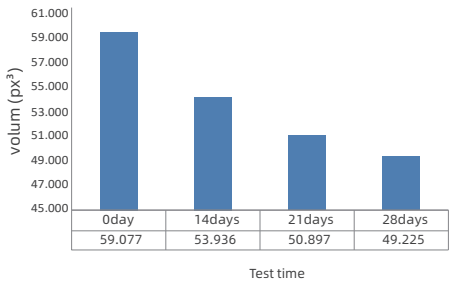
Product Information

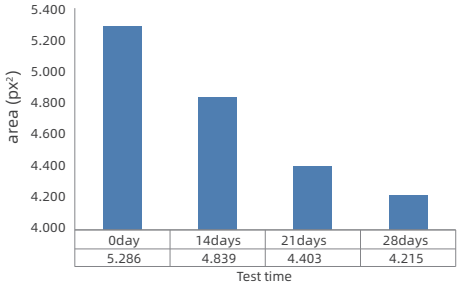
Ap p lication	Facial care and neck care, such as toner, serum, cream, lotion, etc.
Sdubility	Water soluble
Rec. use level	Daily care: 1 - 20%, Intensive care: 20 - 50%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

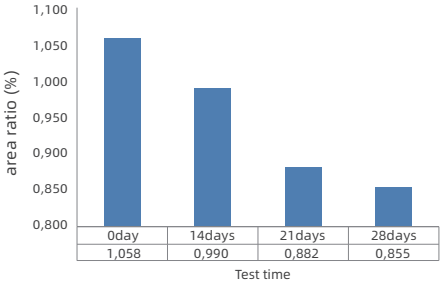
Efficacy Test

Anti-wrink le Test of 1% Sp ecPed® SKE (0.25%) gel(Effective concentration= 25 ppm !)

Product	1% SpecPed® SKE (0.25%) gel
Subj ects	10 females
Age range	25 - 55 years old
Test Site	Face
Per iod	4 weeks
Test Parameters	Wrinkle volume, wrinkle area, wrinkle area ratio
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening
Design of Study	Evaluate the anti-wrinkle efficacy of the tested product after 4 weeks



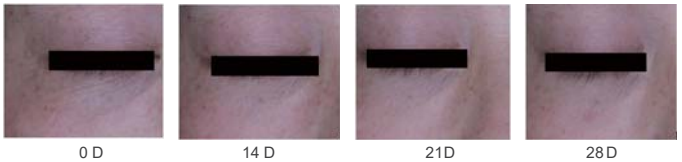




Conclusion

After 14, 21, 28 days application of 1% SpecPed® SKE (0.25%) gel:
Wrinkle volume: ↓ 8.7%, ↓ 13.85%, ↓ 16.68%.
Wrinkles area: ↓ 8.47%, ↓ 16.70 %, ↓ 20.26 %.
Wrinkles area ratio: ↓ 6.47%, ↓ 16.62%, ↓ 19.23%.

Typical subject images





Patented Product

SpecPed® NIP Pro

Product Code: 13508700

Active Ingredients: Glutamylamidoethyl Imidazole, Dipeptide Diaminobutyroyl Benzylamide Diacetate, Acetyl Hexapeptide-8

SpecPed® NIP Pro contains three bioactive peptides, which is a water-soluble multifunctional complex peptides solution, it has features as below:

- Safe alternative to Botox
- NIP (Neurotransmitter inhibitory Peptide) and rhythm peptide
- Strong potential in suppressing dynamic fine lines and expression lines
- Effective absorption from skin, no need for injection
- Promotion of collagen and elastin synthesis in the dermis
- Enhanced skin elasticity and skin tightening
- Multi target inhibition of dynamic wrinkles and promotion of collagen production

Therefore, SpecPed® NIP Pro can be recommended to use as an ingredient for anti-wrinkle, anti-aging, firming, and repairing cosmetics.

Product Information

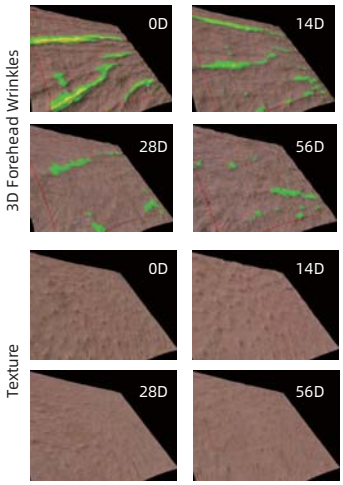
Application	Facial care and neck care, such as toner, serum, cream, lotion, gel, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

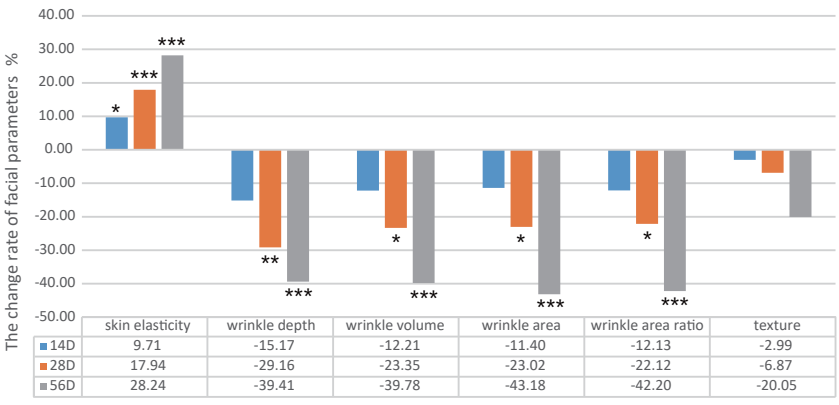
Efficacy Test

Anti-wrinkle Test of 5% SpecPed® NIP PoSerum

Product	5% SpecPed® NIP Pro Serum
Subjects	20 females
Age range	20 - 55 years old
Test Site	Face
Period	56 days
Test Parameters	Wrinkle volume, wrinkle area, wrinkle area ratio, wrinkle depth, skin elasticity, texture
Test Instrument	VisioFace 1000D, C-CUBE, ElastiMeter
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening
Design of Study	Evaluate the anti-wrinkle efficacy of the tested product after 56 days

Typical subject images





	skin elasticity	wrinkle depth	wrinkle volume	wrinkle area	wrinkle area ratio	texture
14D	9.71	-15.17	-12.21	-11.40	-12.13	-2.99
28D	17.94	-29.16	-23.35	-23.02	-22.12	-6.87
56D	28.24	-39.41	-39.78	-43.18	-42.20	-20.05

(*p<0.05, **p<0.01, ***p<0.001 vs 0D)

Conclusion

After 14, 28, 56 days application of 5% SpecPed® NIP Pro Serum:

Skin elasticity: ↑9.71%, ↑17.94%, ↑28.24%
Wrinkle depth: ↓15.17%, ↓29.16%, ↓39.41%
Wrinkle volume: ↓12.21%, ↓ 23.35%, ↓39.78%
Wrinkles area: ↓11.40%, ↓ 23.02 %, ↓ 43.18 %
Wrinkles area ratio: ↓ 12.13%, ↓ 22.12%, ↓ 42.20%
Texture: ↓ 2.99%, ↓ 6.87%, ↓ 20.05%.

5% SpecPed® NIP Pocan effectively improve skin wrinkles, elasticity and texture, indicating that it has anti-aging effect.

SpecPed® WA

Product Code: 13506600

Active Ingredients: Dipeptide Diaminobutyroyl Benzylamide Diacetate, S-Mu-Conotoxin CnIIIC (Arginine/Lysine Polypeptide), Acetyl Hexapeptide-8, Palmitoyl Tripeptide-5, Nonapeptide-1, Carnosine

Note: S-Mu-Conotoxin CnIIIC is replaced by Arginine/Lysine Polypeptide for regulatory compliance in China

SpecPed® WA Lift

Product Code: 13508900

For more update version,
please contact SC's sales manager

SpecPed® WA contains six bioactive peptides, it has features as below:

- Safe alternative to Botox
- NIP (Neurotransmitter inhibitory Peptide) &Signal peptide
- Strong potential in suppressing dynamic fine lines and expression lines
- Effective absorption from skin, no need for injection
- Promotion of collagen and elastin synthesis in the dermis
- Enhanced skin elasticity and skin tightening
- Lightening of the skin color via inhibition of the tyrosinase activity

Therefore, SpecPed® WA can be recommended to use as an ingredient for anti-wrinkle, anti-aging, whitening, and repairing cosmetics.

Product Information

Application	Facial care and neck care, such as toner, serum, cream, lotion, gel, etc.
Solubility	Water soluble
Rec. use level	0.5 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg



New 2024 Launch

SpecPed® NIP Liposome

Product Code: 13509400

Active Ingredients: Dipeptide Diaminobutyroyl Benzylamide Diacetate, S-Mu-Conotoxin CnIIIC (Arginine/Lysine Polypeptide), Acetyl Hexapeptide-8

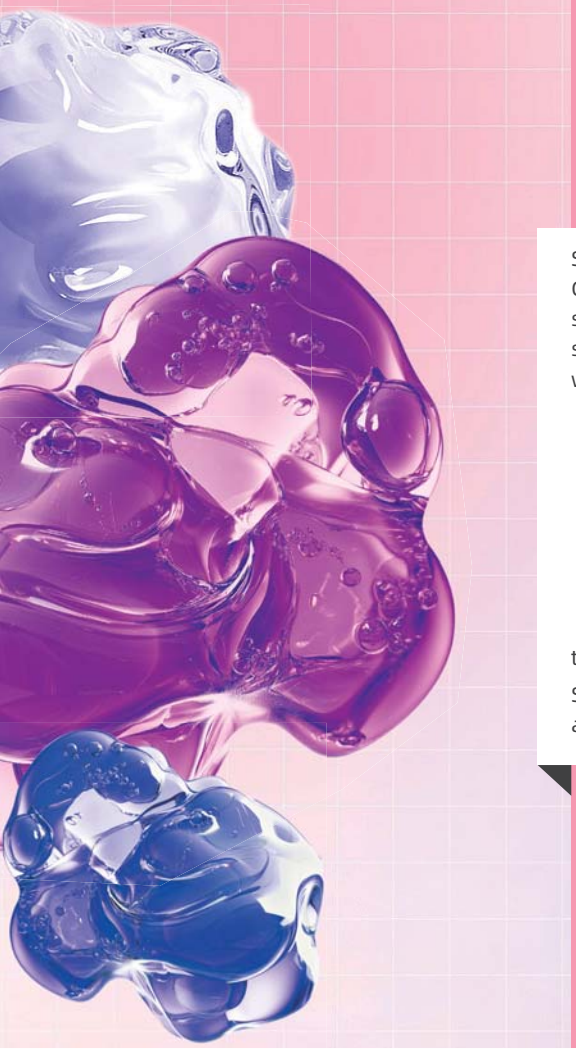
SpecPed® NIP Liposome, an innovative cosmetic ingredient from Spec-Chem, is developed from encapsulation of highly effective anti-wrinkle peptides using our unique liposome technology. The product has features as below:

- Multiple NIP (neurotransmitter inhibitory peptides) acting through multiple targets
- Effective promotion of collagen synthesis and reduction of dynamic and static wrinkles
- Long-lasting moisturizing effect
- Efficient and slow release

Therefore, SpecPed® NIP Liposome can be recommended to use as an ingredient for anti-wrinkle, anti-aging, firming, and moisturizing cosmetics.

Product Information

Application	Facial care and neck care: toner, lotion, essence, cream, gel, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg



SpecKare® E-GCu11 Solution

Product Code: 13510000

Active Ingredients: Copper Tripeptide-1, Ectoin

SpecKare® E-GCu11 Solution is a patented product combining two highly effective ingredients Copper Tripeptide-1 and Ectoin, the groups of two ingredients can easily form a stable supramolecular eutectic structure through two hydrogen bonds of supramolecular self-assembly. This structure can improve solubility, prevent crystallization and increase stability, which is a water-soluble multi-functional complex peptide solution. It has functions as below:

- Protect cells from UV damage and repair post-sun damage
- Osmoprotectant and resist external stress
- Long-lasting moisturizing
- Anti inflammation and anti-oxidant
- Anti-allergic and soothing
- Promote collagen synthesis and tighten the skin
- Introduce coupling agent to promote its permeability
- Screen out the best ratio of active ingredients to achieve better results with low addition in the formula

SpecKare® E-GCu11 Solution can be widely recommended to use as functions of anti-wrinkles, anti-aging, moisturizing, repairing, anti-allergic and soothing in cosmetics.

Product Information

Application	Facial care and body care: toner, essence, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed and store at 2 - 8°c, protect from light and high temperature.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy Test

Skin Overall improvement

Subjects	20 women
Age range	20-55 years old
Test site	Face
Test sample	5% SpecKare® E-GCu11 Solution lotion
Test period	0D, 7D, 14D, 28D
Test equipment:	VisioFace 1000D(full face skin analysis device), C-CUBE (multifunctional skin imaging system), ElastiMeter(skin elasticity meter), VapoMeter S WL5(transepidermal water loss meter), MoisturEMeter SC(skin hydration measurement instrument)



	Wrinkle volume	Wrinkle area	Wrinkle depth	Wrinkle area ratio	Redness	ITA	Texture	Skin elasticity	TEWL	WCSC
14D	-16.27	-19.30	-9.21	-19.26	-3.03	6.22	-7.30	4.96	-17.82	30.66
28D	-21.82	-19.64	-19.06	-19.43	-4.42	7.53	-11.23	10.28	-27.91	34.82
56D	-33.69	-32.42	-19.58	-32.73	-5.76	8.32	-10.74	12.41	-31.37	59.45

Typical subjects photos



0 D



14 D



28 D



56 D

Conclusion:

SpecKare® E-GCu11 Solution can improve skin wrinkle, redness, colour, texture, elasticity, transdermal water loss and water content.
SpecKare® E-GCu11 Solution has anti-wrinkle, firming, soothing, whitening, tender and moisturizing effects.

Intensive Solutions



ONE-STOP
SHINING
Solution



Patented Product

SpecPlex® Gloss

Product Code: 11005200

Active Ingredients: Lactobionic Acid, Carnosine, Nonapeptide-1, Tranexamic Acid, Mandelic Acid, Niacinamide

SpecPlex® Gloss is an innovative ingredient combining potencies of various biomimetic acids and bioactive peptides to tackle urban skin problems. It functions as below:

- Soften skin surface and remove dead skin cells, smoothen sags and crests, normalize keratinization
- Prevent and fade dull and yellowish tone, inhibit melanin deposition
- Boost the production of collagen and glycosaminoglycans (GAGs)
- Strengthen the skin extracellular matrix (ECM) and the skin barrier
- Nourish skin both externally and internally

Therefore, SpecPlex® Gloss is safe and suitable for people with allergies and sensitive skin. It can be recommended to use as an ingredient for whitening, brightening, anti-aging, moisturizing and nourishing cosmetics.

Product Information

Application	Skin care and body care, such as toner, serum, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	0.5 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy Test

Brightening Effect of 5% SpecPlex® Gloss whitening cream

Product	5% SpecPlex® Gloss whitening cream
Subjects	37 females
Age range	25 - 55 years old
Test Site	Face
Period	4 weeks
Test Instrument	C-CUBE (PIXIENCE), VisioFace 1000D
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening

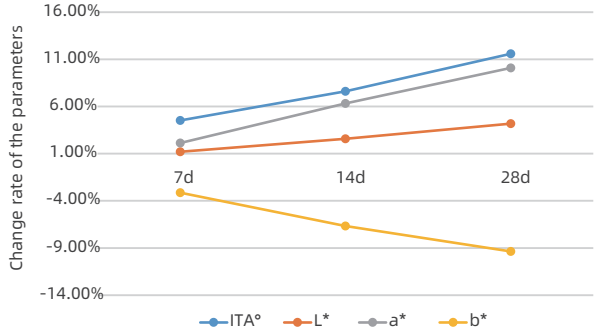
Typical subject images



Fig. 1 Changes in the value of the parameters at different time points



Fig. 2 Change rate of the parameters at different time points



Conclusion

The ITA° and L* values were significantly improved, while the a* values of the skin were increased and the b* values were decreased. 5% SpecPlex® Gloss had the effect of making skin healthier and brighter.

ITA° (Define the value of skin pigmentation. The higher the value, the lighter the skin tone)
L* (Indicate the black and white brightness of the skin. The higher the melanin content, the smaller the value)
a* (Represent the balance between red and green. The more rosy the skin, the higher the value)
b* (Represent the balance between yellow and blue. The yellower the skin, the higher the value)

FOR URBAN PHOTO-AGED SKIN



Patented Product

SpecPlex® GPS

Product Code: 12003800

Active Ingredients: Palmitoyl Pentapeptide-4, Palmitoyl Tetrapeptide-7, Acetyl Hexapeptide-8, Ginkgo Biloba Leaf Extract

SpecPlex® GPS is a patented product combining three highly effective peptides and Ginkgo biloba leaf extract. It can solve skin aging problems internally and externally, providing an overall solution for urban skin problems. It functions as below:

- Promote collagen production and reduce muscle contraction, remove dynamic and static lines, enhance skin elasticity
- Inhibit inflammatory factors, reduce inflammatory response and glycosylation damage
- Increase SOD activity and scavenge free radical
- Repair skin barrier function, reduce skin redness and improve sensitivity

Therefore, SpecPlex® GPS can be recommended to use as an ingredient for anti-wrinkle, anti-inflammatory, anti-glycosylation, anti-oxidation, anti-photoaging and soothing cosmetics.

Product Information

Application	Facial care and body care: toner, essence, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed and store at 2 - 8℃, protect from light and high temperature.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

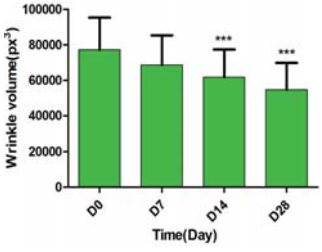
Efficacy Test

Brightening Effect of 5% SpecPlex®GPS Essence Lotion

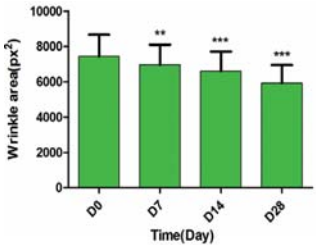
Product	5% SpecPlex® GPS Essence Lotion
Subjects	28 females, 6 males
Age range	20 - 55 years old
Test Site	Face
Period	28 days
Test Parameters	Wrinkle volume, wrinkle area, wrinkle area ratio, skin elasticity
Test Instrument	VisioFace 1000D, C-CUBE, Elasti'Meter
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening

Typical subject images

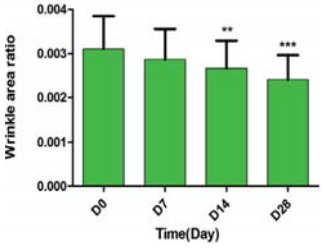




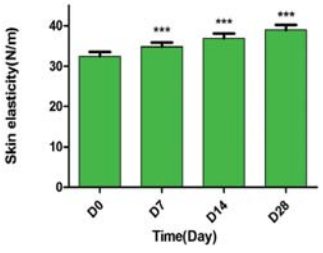
Wrinkle volume at different time points (***p<0.001 vs D0)



Wrinkle area at different time points (**p<0.01, ***p<0.001 vs D0)



Wrinkle area ratio at different time points (**p<0.01, ***p<0.001 vs D0)



Skin elasticity at different time points (***p<0.001 vs D0)

Conclusion

After 7, 14, 28 days application of 5% SpecPlex® GPS Essence Lotion:

Wrinkle volume: **↓ 11.5%, ↓ 20.03%, ↓ 29.16%.**
Wrinkles area: **↓ 6.35%, ↓ 11.30%, ↓ 20.41%.**
Wrinkles area ratio: **↓ 7.70%, ↓ 14.16%, ↓ 22.45%.**
Skin elasticity: **↑ 7.48%, ↑ 13.82%, ↑ 20.16%.**

5% SpecPlex® GPS can effectively reduce facial wrinkles and increase skin elasticity

Eye Care

Wrinkles **Eye-bags**

Dark circles





SpecKare® EyeS100

Product Code: 12001900

Active Ingredients: Poria cocos Sclerotium Extract, Acetyl Tetrapeptide-5, Dipeptide-2

SpecKare® EyeS100 is specially designed for eye care, it combines potencies of both Chinese herbal medicine extract and beauty peptides. It functions as below:

- Induce anti-glycosylation and anti-inflammatory responses
- Eliminate eye bags and relieve edema
- Reduce eye wrinkles and brighten the eye area
- Improve dullness

Therefore, SpecKare® EyeS100 can be recommended to use as an ingredient for anti-aging, anti-wrinkle, firming eyes care products, and eyes care products removing eyes bags and dark circles.

Product Information

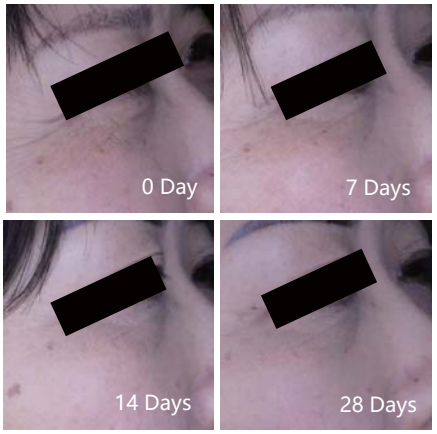
Application	Eyes care products: such as essence, cream, lotion, etc.
Solubility	Polyol soluble
Rec. use level	0.5 - 5%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

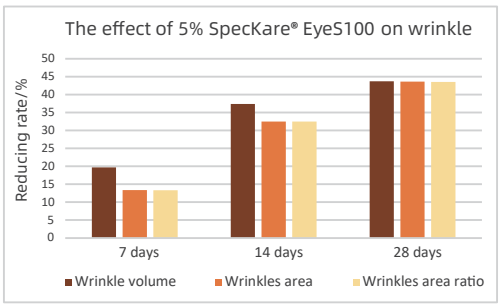
Efficacy Test

Anti-wrinkle Test of 5% SpecPed® EyeS100

Product	5% SpecPed® EyeS100 eye repair essence
Subjects	15 females
Age range	25 - 55 years old
Test Site	Canthus
Period	4 weeks
Test Parameters	Wrinkle volume, wrinkle area, wrinkle area ratio
Test Instrument	VisioFace 1000D
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening

Typical subject images





Conclusion

After 7, 14, 28 days application of 5% SpecPed® EyeS100 eye repair essence:

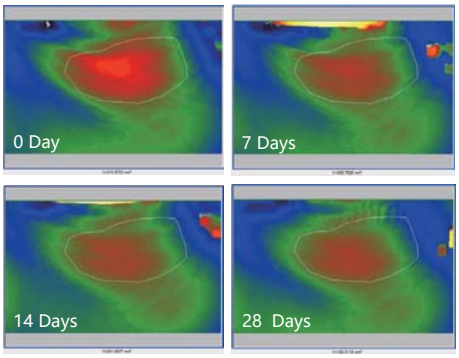
Wrinkle volume: **↓ 19.69%, ↓ 37.4%, ↓ 43.73%.**
Wrinkles area: **↓ 18.36%, ↓ 32.51%, ↓ 43.64 %.**
Wrinkles area ratio: **↓ 18.32%, ↓ 32.48%, ↓ 43.56%.**

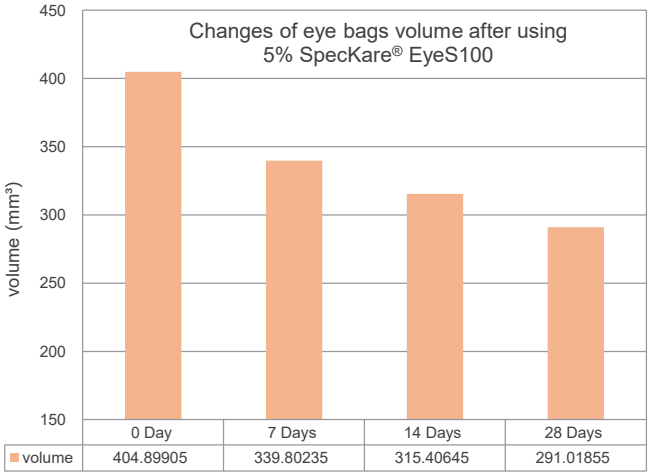
5% SpecPed® EyeS100 eye repair essence could effectively smooth fine lines around the eyes and tighten the eye area.

Anti-eye bags Test of SpecKare® EyeS100 eye cream

Product	5% SpecPed® EyeS100 eye cream
Subjects	15 females
Age range	25 - 55 years old
Test Site	Eye bags around the eyelids
Period	4 weeks
Test Parameters	Eye bags volume
Test Instrument	PRIMOS , VisioFace 1000D
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening

Eye bags images under infrared ray





Conclusion

After 7, 14, 28 days application of 5% SpecPed® EyeS100 eye cream:

Eye bags volume: **↓16.07%, ↓22.10%, ↓28.12%.**

5% SpecPed® EyeS100 eye cream could effectively eliminate eye bags and improve edema.



SpecPed® EyesCare

Product Code: 13509200

Active Ingredients: Palmitoyl Tetrapeptide-7, Carnosine, Dipeptide-2, Adenosine, Acetyl Tetrapeptide-5, Palmitoyl Tripeptide-5

SpecPed® EyesCare is a water-soluble peptide complex solution. It functions as below:

- Eliminate eye bags and dark circles
- Firm the eye circumference
- Reduce eye wrinkles and brighten the eye area
- Improve dullness

Therefore, SpecPed® EyesCare can be recommended to use as an ingredient for anti-aging, anti-wrinkle, firming eyes care products, and eyes care products removing eyes bags and dark circles.

Product Information

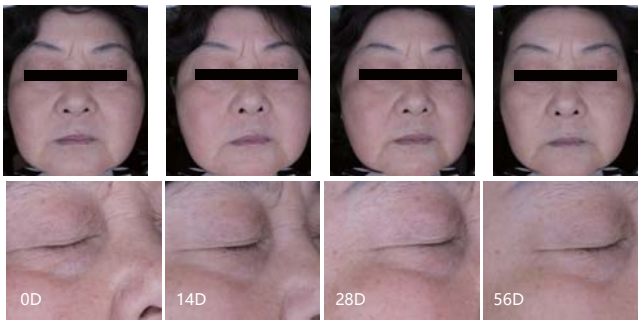
Application	Eye care products: essence, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

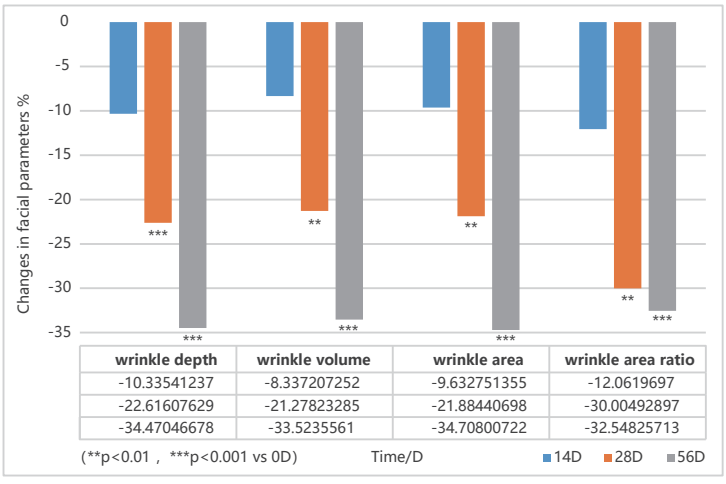
Efficacy Test

Anti-wrinkle Test of 5% SpecPed® EyesCare essence lotion

Product	5% SpecPed® EyesCare essence lotion
Subjects	20 females
Age range	20 - 55 years old
Test Site	Eye area
Period	8 weeks
Test Parameters	Wrinkle volume, wrinkle area, wrinkle area ratio
Test Instrument	VisioFace 1000D, C-CUBE
Temperature	20℃- 25℃
Humidity	40% - 60%
Frequency	Twice a day after cleaning face in the morning and the evening

Typical subject images





wrinkle depth	wrinkle volume	wrinkle area	wrinkle area ratio
-10.33541237	-8.337207252	-9.632751355	-12.0619697
-22.61607629	-21.27823285	-21.88440698	-30.00492897
-34.47046678	-33.5235561	-34.70800722	-32.54825713

Conclusion

After 14, 28, 56 days application of 5% SpecPed® EyesCare essence lotion:

Wrinkle depth: ↓10.34%, ↓ 22.62%, ↓ 34.47%.
Wrinkles volume: ↓ 8.34%, ↓ 21.28 %, ↓ 33.52 %.
Wrinkles area: ↓ 9.63%, ↓ 21.88%, ↓ 34.71%.
Wrinkle area ratio: ↓ 12.06%, ↓ 30.00%, ↓ 32.55%.

SOOTHING

Acne care **Anti-allergy**





SpecPed® AcneCare Product Code: 13509000

Active Ingredients: Hexapeptide-9, Oligopeptide-3, Nonapeptide-1, Maltobionic Acid

SpecPed® AcneCare is a multifunctional peptide complex solution. It has features as below:

- Small molecular weight, easy to be absorbed through skin
- Water-soluble
- High efficiency in repairing skin, treating acne, removing acne mark and red streaks
- Good at enhancing skin softness and smoothness via stimulated elastic fiber and collagen synthesis
- Good at lightening spots, brightening and whitening skin

Therefore, SpecPed® AcneCare can be recommended to use as an ingredient for anti-acne, anti-oxidation, brightening and moisturizing cosmetics.

Product Information

Application	Skin care and body care: essence, cream, lotion, gel, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg



SpecPlex® PCalm Product Code: 16004500

Active Ingredients: Poria Cocos Sclerotium Extract, Portulaca Oleracea Extract, Palmitoyl Tripeptide-8, Dipotassium Glycyrrhizate

SpecPlex® PCalm is an anti-allergic soothing ingredient which is specially designed for sensitive skin. It contains Poria cocos sclerotium extract, Portulaca oleracea extract, and a bioactive anti-inflammatory peptide. It has features as below:

- Herbaceous concept, natural plant nourishing
- Moisturizing, soothing, calming and repairing
- Anti-inflammatory and anti-itching
- Multi-level and all-dimensional relieving, from the outside to the inside
- Synergetic, safe and efficient
- Water soluble
- Ease of formulation and versatility

Therefore, SpecPlex® PCalm is suitable for skins with red streaks caused by dryness, allergies, itching, or damaged skin barriers.

Product Information

Application	Skin care, body care and hair care: toner, essence, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	0.5 - 5%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg



SpecPed® SoothFine

Product Code: 13509100

Active Ingredients: Palmitoyl Tripeptide-8, Acetyl Tetrapeptide-2, sh-Pentapeptide-1

SpecPed® SoothFine is a water-soluble peptide complex solution, which contains three bioactive peptides. It functions as below:

- Prevent and improve neuropathic inflammation and irritation, such as erythema, swelling, tingling and itching
- Reduce skin irritation caused by UV, immune response, internal and mechanical pressures
- Soothe skin and improve skin tolerance

Therefore, SpecPed® SoothFine is suitable for various skin types including sensitive skin and can be recommended to use as an ingredient for anti-allergic, anti-inflammatory, soothing, and skin conditioning cosmetics.

Product Information

Application	Skin care, body care and hair care: essence, cream, lotion, etc.
Solubility	Water soluble
Rec. use level	1 - 10%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

LIP CARE

Plump lips **Wrinkles**





SpecPed® Lip Plump

Product Code: 13509300

Active Ingredients: Palmitoyl Tripeptide-38, Acetyl Hexapeptide-37, Acetyl Hexapeptide-38, Hexapeptide-3

Is an oil-soluble, multifunctional peptide solution designed for lip care.
It is designed with the following features:

- Utilizes W/O nano-microemulsion encapsulation technology to encapsulate water-soluble active peptides in the oil phase
- Stimulates lipogenesis, inhibits lipolysis, increases subcutaneous fat volume and helps fill in wrinkles
- Promotes the production of collagen and mucopolysaccharides in the lips to increase moisturizing capacity
- Rebuilds skin from the inside out, smoothes wrinkles, eliminates lip lines and increases lip elasticity
- Plumps and plumps the lips

Product Information

Application	Lip care: lip balms, lip oils and lip glosses
Solubility	Oil-soluble, Recommended: 2EHP, IPM, GTCC
Rec. use level	1 - 10%
Storage	Store container tightly closed, protected from light, at room temperature for 12 months and 2-8°C for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

SCALP HAIR





SpecKare® BT1HG

Product Code: 17001800

Active Ingredients: Apigenin, Oleanolic Acid, Biotinoyl Tripeptide-1

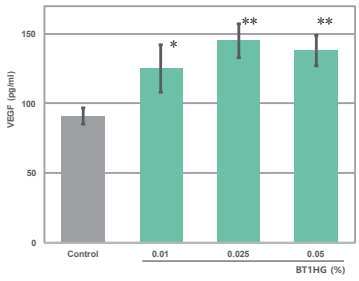
SpecKare® BT1HG contains many active ingredients. It can inhibit root sheath aging, stimulate adhesion proteins of root sheath and dermal papilla, and act on hair follicles to promote hair growth. At the same time, because it has the effect of inhibiting inflammatory factors and the growth of bacteria, it can be used to care for the scalp.
SpecKare® BT1HG can be added to products such as shampoo, conditioner and essence for scalp.

Product Information

Application	Promote hair growth, inhibit hair loss and care for scalp, etc.
Solubility	Water soluble
Rec. use level	Daily care: 0.5-5%; Intensive care: 5-10%
Storage	Store in cool and dry place, away from light. Room temperature for common storage, and 2-8℃ or lower temperature for long time storage.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy

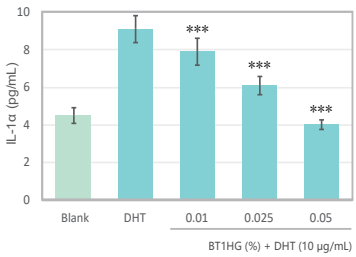
Promote VEGF secretion in the hDPC

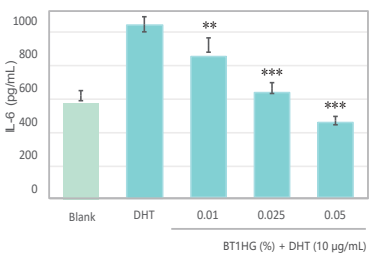


Results

- Compared with control, SpecKare® BT1HG can significantly promote the VEGF secretion in the hDPC, and the VEGF secretion levels were up to **47%** at 25mg/mL.
- **SpecKare® BT1HG helps to form blood capillary in hair follicles.**

Inflammatory inhibiting effect on hDPC by DHT induced





Results

- DHT stimulates the production of inflammatory cytokines IL-1α and IL-6 by hDPC, affects the levels of extracellular matrix and intracellular cAMP, regulates hair follicle growth, inhibits stromal cell proliferation and hair axis elongation in hair follicles.
- **SpecKare® BT1HG can reduce the content of IL-1α and IL-6 in hDPC.**



SpecKare® HC 401

Product Code: 17003500

Active Ingredients: Hydrolyzed Collagen, Glycine, Hydrolyzed Pea Protein, Carnosine, Yeast Ferment Extract

SpecKare® HC 401 is a combination of low molecular protein, glycine with carnosine and yeast ferment extract. It has functions as below:

· Repairing Cuticles Scales and Strengthening Hair
· Anti-photoaging and Hair Color Protection
· Anti-Breakage and Minimal Split Ends
· Conditioning and Easy Combing
· Balanced Moisture and Hydration
· Healthier and Stronger Hair

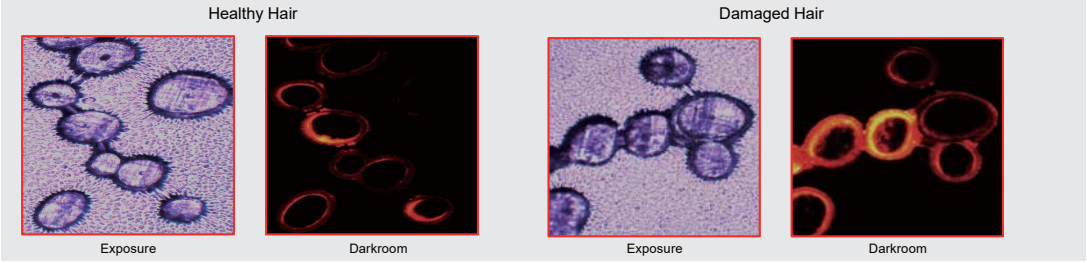
SpecKare® HC 401 can make hair more healthier and resilient and can be used in hair care products for damaged hair.

Product Information

Application	Hair Care: shampoo, Conditioner, Serum, Spray, etc.
Solubility	Water soluble
Rec. use level	1.0-2.5%
Storage	Keep container tightly closed, away from light, room temperature storage for 12 months, 2 - 8℃ storage for 24 months.
Shelf life	2 years
Package	1Kg, 5Kg, 10Kg, 20Kg, 25Kg

Efficacy Test

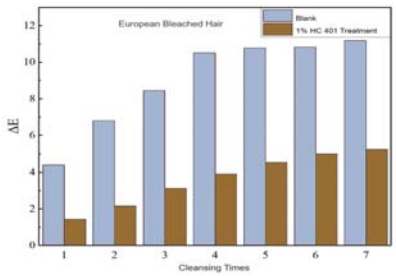
Repairing Cuticles Scales and Strengthening Hair



Result:

Fluorescence Labeling test results showed that low molecular proteins filled the voids and gaps of hair scales to achieve hair care effect by targeted deposition.

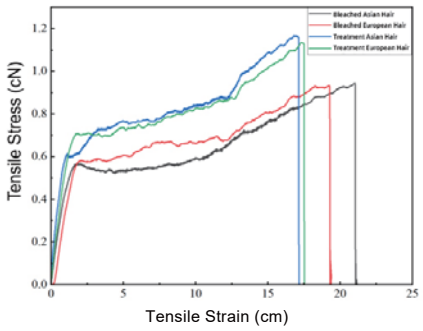
Hair Color Protection

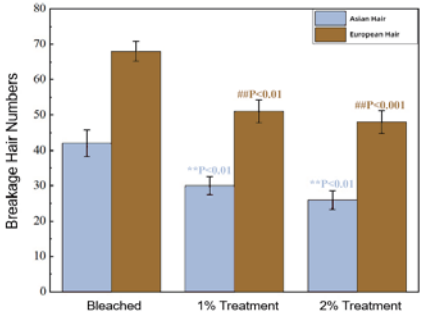


Result:

Using Color Difference Analyzer measurement, compared with blank, after 1% SpecKare® HC 401 treatment, the difference color value contrast the initial of the hair color was less than the blank, this result showed that SpecKare® HC 401 can protect the hair color.

Anti-Breakage and Hair Protection

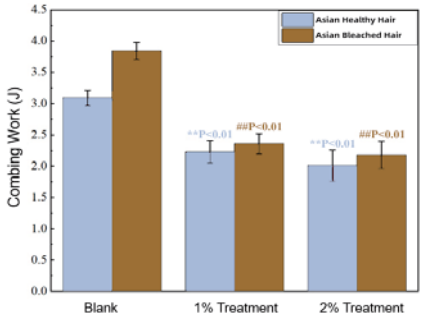


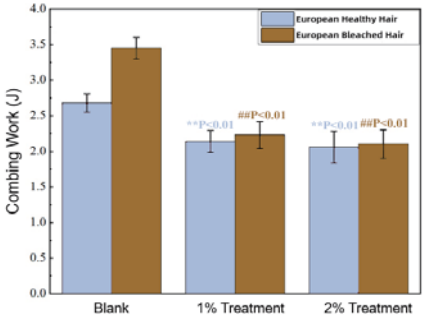


Result:

After SpecKare® HC 401 treatment, the resistance of hair to mechanical damage was significantly increased, effectively reducing the broken hair caused by mechanical damage.

Conditioning and Easy Combing





Result:

After SpecKare® HC 401 treatment, the smoothness of all four hair types was significantly improved, and the effect was increased from 1% to 2%.

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