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Good Quality Comes From
Qualified Materials

Cosmetic Peptides

- Anti-aging、Anti-wrinkle
- Under-eye bag treatment
- Whitening&Freckle-removing
- Fuller Beautiful Eyelashes treatment

INCI Name: Acetyl Hexapeptide-8

CAS No.: 616204-22-9

Application

· Anti-wrinkle
· Anti-aging
· Skin moisturizer

Functions:

· Inhibits SNARE complex formation and catecholamine release.reduces the depth of wrinkles on the face.

· It is a safer, cheaper, and milder alternative to Botulinum Toxin,topically targeting the same wrinkle-formation mechanism in a very different way.

Specification:

Appearance	White to off-white powder
MW	889.0±1.0
Water (K.F.)	Not more than8.0%
Peptide content	Not less than80.0%
Purity(HPLC)	Not less than98.0%
Amino acid composition	±10% of theoretical

◇ Dosage: 0.01-0.05%.
◇ Packing: 1g,10g,50g,100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2 years.

INCI Name: Copper tripeptide-1

CAS No : 130120-57-9

Application

· For wound healing and anti-aging
· Hair growth stimulator treatment

Functions:

Promotes ‘extra large’ collagen aggregates degradation, more regularly collagen synthesis, elastin, proteoglycans, glycosaminoglycans production and anti-inflammatory and antioxidant responses.

Specification:

Appearance	Blue powder
MW	742.29 ± 1.0
Purity (HPLC) (GHK)	Not less than 95.0 %
Water (K.F.)	Not more than 8.0 %
Acetic Acid（HPLC）	＜15%

◇ Dosage: 0.01-5%.
◇ Packing: 1g,10g,50g,100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Palmiltoyl Tripeptide-1

CAS No.: 147732-56-7

Application

· Anti-aging
· Anti-wrinkle
· firming
· skin moisturizer

Functions:

· Stimulates collagen and gylcosaminoglycans synthesis.
· Decreases in wrinkle length and depth, and skin roughness.

Specification:

Appearance	White to off-white powder
MW	578.8±1
Water (K.F.)	Not more than 7.0%
Peptide content	Not less than 80.0%
Purity (HPLC)	Not less than 95.0%
Amino acid composition	±10% of theoretical

◇ Dosage: 0.005-0.05%..
◇ Packing: 1g,10g,50g,100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Palmitoyl Tetrapeptide-7

CAS NO.: 221227-05-0

Application

· Products for winkle prevention and repair
· eye contour care
· mature skin range

Functions:

· Decrease IL-6 secretion by keratinocytes in a basal setting and after exposure to UVB irradiation,anti-inflammation.
· It is used to counteract skin slackening and to perk up and increase the firmness of the fragile skin area around eyes.
· It decreases imitation that could lead to puffiness.

Specification:

Appearance	White to off-white powder
MW	694.8±1
Purity (HPLC)	≥98.0%
Related Substances(HPLC)	＜2.0%
Water (K.F.)	≤8.0%
Amino acid composition	±10% of theoretical
Bacterial endotoxins	≤50EU/mg

◇ Dosage: 0.005-0.02%.
◇ Packing: 1g,10g,50g,100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Palmitoyl Pentapeptide-4

CAS NO.: 214047-00-4

Application

· Anti-aging

· Anti-wrinkle

· eye care

Functions:

· Palmitoyl pentapeptide-3 is a lipophilic modified peptide originally developed by based on wound healing research and currently being investigated as an anti-aging ingredient.

· Stimulates collagen I, III and VI fibronectin,elastin,glucosamnoglycans production. It helps to prevent fine lines induced by repeated facial movements and increased collagen and elastin matrix.

· It also prevents premature aging, visible results within two weeks.

Specification:

Appearance	White to off-white powder
MW	802±1
Solubility	Soluble in fat
Peptide purity(HPLC)	Not less than95.0%
Related substance(HPLC)	Total impurities ≤5.0% Largest single ≤2.0%
Amino acid analysis	±10%of theoretical
Water Content(K.F)	≤5.00%

◇ Dosage: 0.003-0.02%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Palmitoyl Oligopeptide

CAS NO.: 171263-26-6

Application

· Anti-aging

· anti-wrinkle treatment

Functions:

· Palmitoyl oligopeptide can promote the collagen, elastin and hyaluronic acid on proliferation.it can be used to improve the skin's water content, increase the thickness of the dermis, reduce microgroove.the main effect is to increase the elasticity of skin, it can increase skin thickness.

· Pal-VGVAPG stimulates cell communication and then repairs the age related skin damage, it shows remarkable effects on anti-aging,wrinkle smoothing and cutaneous barrier repair.

Specification:

Appearance	White to off-white powder
MW	736.98±1
Purity (HPLC)	≥95.0%
Related Substances(HPLC)	Total impurities: < 5.0% Single impurity: < 2.0%
Acetic acid (HPLC)	≤10.0%
Water Content(Karl Fischer)	≤8.0%

◇ Dosage: 0.005-0.02%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Acetyl Pentapeptide-1

CAS NO.: --

Application

· Anti-aging

· Anti-wrinkle

Functions:

· Improving collagen protein and elastin protein synthesis anti-wrinkle;

· It help skin thickness and firm,make skin firming.

Specification:

Appearance	White to off-white powder
MW	721.0±1
Purity (HPLC)	Not less than 98.0 %
Water (K.F.)	Not more than 10.0 %
Acetic Acid (HPLC)	<15%
Related Substances (HPLC)	Total impurities: <2.0%
	Single impurity: <1.0%
Peptide Content	NLT 80%

◇ Dosage: 0.005-0.1%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

INCI Name: Acetyl Octapeptide-3

CAS NO.: 868844-74-0

Application

· Anti-aging

· anti-wrinkle treatment

Functions:

· Anti-wrinkles caused by the contraction of muscles of facial expression,decreasing neuronal excitability by SNARE complex destabilisation.

· Anti-aging which caused by mobile face.removing the deep lines or wrinkles in the forehead or around the eyes area.

· It s a safer, cheaper, and milder alternative to Botulinum Toxin, topically targeting the same wrinkle-formation mechanism in a very different way.

Specification:

Appearance	White to off-white powder
Purity	≥98.0%
MW	1075.2±1
Acetic Acid (HPLC)	<15.0 %
Water Content(Karl Fischer)	≤8.0 %
Related Substances (HPLC)	Total impurities: <2.0%

◇ Dosage: 0.005-0.08%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Palmitoyl Tripeptide-5

CAS NO.: 623172-56-5

Application

· Anti-aging

· Anti-wrinkle

Functions:

· Palmitoyl Tripeptide-3/5 is a small tripeptide mimics thrombospondin I tripeptide sequence and promotes collagen formation.

· It is cell transduction components,this ingredients through the stimulation of TGF-Beta increased collagen production,it stimulates the production of collagen to help address extracellular matrix damage and inhibit inflammation.

Specification:

Appearance	White to off-white powder
MW	611.9±1
Water (K.F.)	Not more than 7.0%
Purity (HPLC)	Not less than 95.0%
Amino acid composition	±10% of theoretical

◇ Dosage: 0.01-0.05%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

INCI Name: sh-Oligopeptide-1

CAS NO.: 62253-63-8

Application

· Cream,lotion

· wrinkleprevention and repair

Functions:

· Anti-wrinkle and microgroove by activity the skin cel.

· Improve skin condition，Making the skin energetic and lively.

· Nourishing、smoothing、lighting skin and rejuvenation youth.

· Promoting skin cell grow，removing sca.

Specification:

Appearance	White to off-white powder
MW	6200Dalton(SDS-PAGE)
Purity	Not less than 95%
Activity unit	Morethan5*10^5 IU/mg
Solubility	Added into1ml distilled water,it can solve quickly

◇ Dosage: 0.0001-0.01%.

◇ Packing: 0.1mg,1mg/ bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 3 years.

INCI Name: Diaminobutyric acid benzylamide diacetate

CAS NO.: 823202-99-9

Application

- Face、Neck, hand care
- Eye round care
- anti-wrinkrl

Functions:

AKE is an small tripetide,it is having similar structure with snake venom, it helps to make loose skin vitalized, firm and healthy. Pure cotton sheet softly covers the face and provides smooth finish.

Specification:

Appearance	White to off-white powder
MW	495.58±1
Purity (HPLC)	≥ 98.0%
Related Substances(HPLC)	Total impurities: < 2.0%
	Single impurity: < 1.0%
Acetic acid (HPLC)	≤ 25.0%
Water Content(Karl Fischer)	≤ 8.0 %
Peptide Content	≥65%

◇ Dosage: 0.01-0.1%.

◇ Packing: 2g/HDPE bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Pentapeptide-18

CAS NO.: 64963-01-5

Application

Removal of the deep lines or wrinkles.

Functions:

· Reducing the depth of wrinkles on the face.

· Targets in vitro the wrinkle-formation mechanism of expression wrinkles in a new way, offering an alternative to peptides like Acetyl Hexapeptide-3.

· It can be incorporated in cosmetic formulations such as emulsions, gels,sera, etc., where removal of the deep lines or wrinkles in the forehead or around theeyes area is desired.

Specification:

Appearance	White to yellowish powder
MW	569.28±1
Purity (HPLC)	≥95.0%
Impurities (HPLC)	≤5.0%
Acetic acid (HPLC)	<15.0 %
Water Content(Karl Fischer)	≤10.0 %

◇ Dosage: 0.005-0.05%.

◇ Packing: 1g,10g,50g,100g/plastic bottle or according to customer requirement.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Palmitoyl Tripeptide-38

CAS No.: --

Application

· Skin care, and made up designed to fight wrinkles.

Functions:

Palmitoyl Tripeptide-38 stimulates the synthesis of matrix molecules and helps fill wrinkles.

Specification:

Appearance	White to off white powder
MS	675.56
Water(K.F)	≤7.0%
Purity(HPLC)	≥98%
Amino acid composition	±10% of theoretical

◇ Dosage: 0.005-0.05%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Acetyl Tetrapeptide-5

CAS NO.: 820959-17-9

Application

· Used in eye restore
· an-aging products face
· neck and hand care

Functions:

· Reduces eye puffiness;

· Fights water retention;

· Enhances skin elasticity and smoothness.

Specification:

Appearance	White powder or off-white powder
MW	492.49 ± 1.0
Purity (HPLC)	Not less than 98.0 %
Water (K.F.)	Not more than 10.0 %
Acetic Acid (HPLC)	<15%
Related Substances(HPLC)	Total impurities: <2.0% Single impurity: <1.0%

◇ Dosage: 0.005-0.05%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

A FCAD Company. http://www.apnoke.com

INCI Name: Tetrapeptide-30

CAS NO: --

Application

· Lightening cream
· Skin tone equalizer cream
· Aging spot corrective cream
· Skin Illumination-Brilliance (foundation-power).

Functions:

· An anti-inflammatory activity of the peptide.
· It prevent melanin synthesis by preventing activation of the tyrosinase.
· It can be applied to various kinds of whitening or spot corrective products.

Specification:

Appearance	White to off-white powder
MW	499±1
Purity (HPLC)	≥ 95.0%
Single impurity(HPLC)	< 3.0%
Trifluoroacetic acid(HPLC)	≤15.0 %
Water Content(Karl Fischer)	≤10.0 %

◇ Dosage: 0.005-0.05%.
◇ Packing: 1g,10g,50g,100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2 years.

INCI Name: Hexapeptide-2

CAS NO: --

Application

· Lightening cream
· Skin tone equalizer cream
· Aging spot corrective cream
· Skin illumination-brilliance

Functions:

A skin brightening peptide to brighten skin and even-out skin tone

Specification:

Appearance	White to off-white powder
MW	Correspond to standard
Water (K.F.)	Not more than 10.0%
Single impurity (HPLC)	Not more than 3.0%
Purity (HPLC)	Not less than 95.0%
Acetic acid(HPLC)	Not more than 20.0%

◇ Dosage: 0.002-0.05%.
◇ Packing: 1g/ plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2years.

INCI Name: Nonapeptide-1

CAS NO: --

Application

· Lightening cream
· Skin tone equalizer cream
· Aging spot corrective cream
· Skin Illumination-Brilliance (foundation-power).

Functions:

· Prevent melanin synthesis by preventing activation of the tyrosinase.
· Prevent unwanted pigmentation,allowing for a better control over skin tone.
· Can be applied to various kinds of whitening or spot corrective products.

Specification:

Appearance	White to off-white powder
MW	1206.62±1
Purity (HPLC)	≥ 95.0%
Single impurity(HPLC)	< 3.0%
Acetic acid (HPLC)	≤ 15.0%
Water Content(Karl Fischer)	≤10.0 %

◇ Dosage: 0.002-0.02%.
◇ Packing: 1g,10g,50g,100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2 years.

INCI Name: Myristoyl Pentapeptide-17

CAS NO: --

Application

· Eyelash cream
· Eyelashes care

Functions:

Improve hair fullness, enhances eye lash growth by stimulating keratin genes, results in thicker and longer lashes.

Specification:

Appearance	White to off-white powder
MW	796±1
Purity (HPLC)	≥ 95.0%
Related Substances(HPLC)	< 5.0%
	Single impurity: < 3.0%
Acetic acid (HPLC)	≤20.0%
Water Content(Karl Fischer)	≤10.0 %

◇ Dosage: 0.005-0.05%.
◇ Packing: 1g, 10g, 100g/plastic bottle.
◇ Storage: Common storage 2-8℃,long time storage -20℃.
◇ Shelf life: In the above storage condition,the shelf life is 2years.

Product Code:

INCI Name: Myristoyl Hexapeptide-16

CAS NO: --

Application

· Eyelash care

· Hair care

Functions:

· Enhance the appearance for lengthen/thicken eyelashes.

· Fortify the hair, noticeably intensifying one's expression.

Specification:

Appearance	White to off-white powder
MW	852±1
Purity (HPLC)	≥95.0%
Impurities (HPLC)	≤5.0%
Acetic acid (HPLC)	<15.0 %
Water Content(Karl Fischer)	≤8.0 %

◇ Dosage: 0.002-0.03%.

◇ Packing: 1g,10g,50g,100g/plastic bottle or according to customer requirement.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

INCI Name: Copper tripeptide-1

CAS No.: --

Application

· Anti-aging

· for wound healing

· hair growth

Functions:

· Promotes “extra large” collagen aggregates degradation,more regularly collagen synthesis, elastin, proteoglycans,glycosaminoglycans production and anti-inflammatory and antioxidant responses.

Specification:

Appearance	Blue Powder
Solubility	Soluble in water
Molecular Ion Mass	770.34±1
Impurity (HPLC)	NMT 5%
Water(Karl Fischer)	NMT 5.0%
Purity(HPLC)	NLT 95%
Cu+ content	4~8%

◇ Dosage: 0.01-5%.

◇ Packing: 1g,10g,50g,100g/plastic bottle.

◇ Storage: Common storage 2-8℃,long time storage -20℃.

◇ Shelf life: In the above storage condition,the shelf life is 2 years.

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Activity Peptide: Palmitoyltripeptide-1 (Pal-GHK)&Palmitoyl Tetrapeptide-3/7(Pal-GQPR)

CAS NO.: 147732-56-7,221227-05-0

Application

· Anti-aging for eye care

· face、neck and hand care

Functions:

· Mixture of Pal-GHK and Pal-GQPR shows perfect effect from gene activation to remodeling protein.the two peptides show perfect synergistic reaction on promoting to composing Collagen I、Fibrinogen and hyaluronic acid.

· It has multiple efficacy on anti-aging、promote face and anti-wrinkle,anti-wrinkle effect is better than standard VC.

Specification:

Appearance	Opalescent gel
Odor	Characteristic
pH	4.0-6.0
Water content	20-30%
Pal-GHK	Not less than0.01%
Pal-GQPR	Not less than0.005%
Heavy metals (Pb)	Not more than10ppm
Arsenic(asAS_2O_3)	Not more than2ppm
Aerobic plate	Max100cfu/g
Yeast&mould	Max100cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.

◇ Dosage: 3-10%.

◇ Packing: 1kg,5kg,10kg/drum.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Acetyl Pentapeptide-1

CAS NO: --

Application

· Anti-wrinkle in face

· neck and hand

· body care

Functions:

Acetyl Pentapeptide-1,soluble in water, can be absorbed by skin easily. It can filter into stratum corneum ,improving collagen protein and elastin protein synthesis，removing wrinkle，help skin thickness and firm,when it cooperate with other moisture ingredients,it can make skin firming.

Specification:

Appearance	Clear solution
Odor	Characteristic
Peptide content	≥0.05%
Heavy metals (as Pb)	≤10ppm
Arsenic (as As_2O_3)	≤2ppm
Aerobic plate	≤100cfu/g
Yeast & mould	≤100cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.

◇ Dosage: 1-10%.

◇ Packing: 1kg,5kg,10kg/drum.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

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Activity Peptide: Acetyl Hexapeptide-3

CAS NO.: 616204-22-9

Application

· Anti-aging
· Anti-wrinkle
· skin moisturizer

Functions:

· Reduces the depth of wrinkles on the face.
· Improves skin's firmness and tone.

Specification:

Appearance	Clear solution
Odor	Characteristic
Peptide content	Notlessthan1%
Heavy metals (as Pb)	Not more than10ppm
Arsenic(as As)	Not more than2ppm
Aerobic plate	Max100cfu/g
Yeast&mould	Max100cfu/g
Escherichia coli	Negative
Staphylococcus aureus	Negative
Pseudomonas aeruginosa	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.
◇ Dosage: 3-10%(1%Acetyl Hexapeptide-3/8).
◇ Packing: 1kg,5kg,10kg/drum.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Pal-KTTKS Palmitoyl Pentapeptide-3/4

CAS NO.: 214047-00-4

Application

· Anti-aging
· anti-wrinkle in skin care and eye care

Functions:

· Reduces the appearance of wrinkles,Minimizes and softens lines.
· Produced a significant benefit to lines and wrinkles around eyes.
· Reduces intensity of muscle contraction.

Specification:

Appearance	Opalescent gel
Odor	Characteristic
pH	4.0-6.0
Water content	20-30%
Peptide content	Not less than 0.01%
Heavy metals (as Pb)	Not more than 10 ppm
Arsenic (as AS2O3)	Not more than 2 ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.
◇ Dosage: 3-8%.
◇ Packing: 1kg,5kg,10kg/drum.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

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Activity Peptide: Acetyl Octapeptide-1/3

CAS NO.: 868844-74-0

Application

- Anti-aging
- Anti-wrinkle
- skin moisturizer

Functions:

· It reduces the depth of wrinkles on the face caused by the contraction of muscles of facial expression, especially in the forehead and around the eyes.

· It can anti-aging which caused by mobile face.

· It is a safer, cheaper, and milder alternative to Botulinum Toxin, topically targeting the same wrinkle-formation mechanism in a very different way.

Specification:

Appearance	Clear solution
Odor	Characteristic
Peptide content	Not less than 0.05%
Heavy metals (as Pb)	Not more than 10ppm
Arsenic (as As_2O_3)	Not more than 2ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.

◇ Dosage: 2-10%.

◇ Packing: 1kg,5kg,10kg/drum.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Palmitoyl Tripeptide-3/5

CAS NO.: 623172-56-5

Application

- Used in any type of anti-aging

Functions:

· It is a water solution base on glycerin.,has been clinically proven to of any type of age related wrinkles. In addition it has skin-firming and moisturizing properties.

· It protects collagen from degradation.

· It stimulates collagen synthesis to actively reduce the appearance be safe and effective.

Specification:

Appearance	Clear to slightly opaque,colourless to yellowish, viscous liquid
Relative density	1.150 ~ 1.220
Refractive index	1.410 ~ 1.450
Peptide content	Not less than 1000ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 50℃.

◇ Dosage: 1-3%.

◇ Packing: 1kg,5kg,10kg/drum.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Dipetide diaminobutyroyl Benzylamide diacetate
CAS NO.: 823202-99-9

Application

- Skin care for instant wrinkle
- Eliminate expression lines
- Resist the signs of aging
- Eye round care
- Face、Neck、hand care.

Functions:

· Anti-aging effectively,particularly applicable to eliminate expression lines.
· Smoothing wrinkles after one month.
· Relax facial muscles, while not affecting the various facial expressions.
· make skin revitalized and smooth.

Specification:

Appearance	Colorless to pale yellow viscosity liquid
Peptide content	2000-3000ppm
Relative density d20/20	1.150-1.220
Refractive indexn25	1.410-1.450
Total bacterial count	<100 CFU/ml

◇ Usage: Adding it at the last step,the temperature is below 50℃.
◇ Dosage: 1-5%.
◇ Packing: 1.0kg/barrel; 5kg/barrel; 10kg/barrel.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Palmitoyl Oligopeptide
CAS NO: 171263-26-6

Application

· Improving skin firming and tone products
· Restore eye round
· Face care and body care, anti-aging

Functions:

· Palmitoyl oligopeptide can promote the collagen,elastin and hyaluronic acid on proliferation. It can be used to improve the skin's water content increase the thickness of the dermis,reduce microgroove. The main effect is to increase the elasticity of skin, it can increase skin thickness.
· Pal-VGVAPG stimulates cell communication and then repairs the age related skin damage, it shows remarkable effects on anti-aging, wrinkle smoothing and cutaneous barrier repair.

Specification:

Appearance	Transparent to opaque colorless viscous liquid
Odor	Characteristic
Refractive index	1.430 ~ 1.440
PH(10%)	4.0 ~ 6.0
Peptide content	Not less than 120ppm
Aerobic plate	Max 100 cfu/g

◇ Dosage: 2-8%
◇ Packing: 1kg/bottle, 5kg/ Barrel, 10kg/ Barrel
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Copper tripeptide-1

CAS NO: 130120-57-9

Application

For wound healing and anti-aging, hair growth stimulator treatment.

Functions:

Promotes 'extra large' collagen aggregates degradation, more regularly collagen synthesis, elastin, proteoglycans, glycosaminoglycans production ang anti-inflammatory and antioxidant responses.

Specification:

Appearance	Clear blue solution
Odor	Characteristic
Peptide content(GHK)	Not less than 0.1%
Heavy metals (as Pb)	Not more than 10 ppm
Arsenic (as AS_2O_3)	Not more than 2 ppm
Aerobic plate	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Dosage: 1-20%.

◇ Packing: 1kg/bottle,5kg/ Barrel,10kg/ Barrel.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: sh-Oligopeptide-1(sh-EGF)

CAS NO: 62253-63-8

Application

Anti-wrinkle, healing wound treatment and a good choice for mask and oniment.

Functions:

· Anti-aging,activity ingredient（sh-Oligopeptide-1）structure and activity are identical to human nature EGF.

· Stable in room temperature,biological activity keep stable within 15 months.it is a good choice for EGF mask and oniment.

· Synergism with hyaluronic acid, Oat β-glucan, collagen protein.

Specification:

Appearance	Clear,Colorless liquid
pH Value	7.0±0.5
Bioactivity	1.0×104 ±30%
Bacterial detection	bacterial count<10cfu/g,no detectable of thermotolerant coliform bacteria, Pseudomonas Aeruginosa, Staphylococcus Aureus

◇ Dosage: 1ml EGF^{Plus} is equivalent to 10000 ±30% IU;
Eye Essence: 1-10%(Equivalent to 100-1000IU/ml);
Day cream or Night cream: 1-8%(Equivalent to 100-800IU/ml).

◇ Packing: 500ml/bottle.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Pentapeptide-18
CAS NO: 64963-01-5

Application

Removal of the deep lines or wrinkles.

Functions:

Pentapeptide-18 mechanism mimics in vitro the natural mechanism of enkephalins: it couples to the enkephalin receptor, on the outside of the nerve cells. When it couples to the receptor, a conformational change initiates a cascade inside the neuron that results in a decrease of its excitability: the nerve cell's activity is "turned down" and the release of acetylcholine is modulated. Muscle contraction will be relaxed and therefore, expression wrinkles will be diminished.it can reduces the depth of wrinkles on the face caused by the contractionof muscles of facial expression, especially in the forehead and around the eyes.

Specification:

Appearance	Colorless to pale beige Clear viscous liquid
Relative density	0.977 ~ 1.077
Refractive index	1.314 ~ 1.414
pH	3.0~6.0
Peptide content	Not less than 500ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Dosage: 3-10%
◇ Packing: 1kg/bottle,5kg/ Barrel,10kg/ Barrel.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Palmitoyl Tripeptide-38
CAS NO: --

Application

Skincare, and made up designed to fight wrinkles.

Functions:

Fill wrinkle thanks to its capacity, which stimulates the synthesis of six major molecules (hyaluronic acid, collagen I, III and IV, laminins and fibronectin).

Specification:

Appearance	Colorless to pale beige viscous liquid
Relative density (20°C)	1.205 - 1.325
Refractive index (20°C)	1.435 - 1.555
Water content (Karl Fischer) (%)	15 - 25
Pal-KMO2K-OH, 2HCl content (HPLC) (ppm)	200 - 270
Bacteria	<100 cfu/g
Yeast and molds	<10 cfu/g

◇ Dosage: 1～4%.
◇ Packing: 1kg/bottle，5kg/Barrel，10kg/Barrel.
◇ Storage: 2-8℃, it is kept at 4℃ best.
◇ Shelf life: In the above storage condition, the shelf life is 24 months.

Activity Peptide: Acetyl Tetrapeptide -5

CAS NO.: 820959-17-9

Application

· Used in eye restore
· an-aging products
· face、neck and hand care

Functions:

· Acetyl Tetrapeptide -5 reduce edema and Erase eye bag quickly in 15 days.
· Acetyl Tetrapeptide -5 can erase edema, eye bag,promote skin elasticity and smooth.

Specification:

Appearance	Clear solution
Odor	Characteristic
Peptide content	≥0.1%
Heavy metals (as Pb)	Not more than 10ppm
Arsenic (as As_2O_3)	≤2ppm
Aerobic plate	≤100cfu/g
Yeast & mould	≤100cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.
◇ Dosage: 3-10%.
◇ Packing: 1kg,5kg,10kg/drum.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Nonapeptide-1

CAS NO.: --

Application

· Whitening and dispel freckle for face、neck ect

Functions:

· Whiten-1 contains Nonapeptide-1component which can prevent the synthesis of melanin.
· Whiten-1 can make the skin brightening and reduce brown spots.

Specification:

Appearance	Aqueous limpid solution,colorless
Odour	Odour Odourless
Density(g/cm³ 20℃)	1.00 ~ 1.02
Peptide conten	Not less than 100ppm
pH	5.0-7.0
Aerobic plate	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.
◇ Dosage: 2-5%.
◇ Packing: 1kg,5kg,10kg/drum.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Tetrapeptide-30

CAS NO.: --

Application

· Whitening and dispel freckle for face、neck ect

Functions:

· Visibly diminishes hyperchromatic spots, brightens skin and improves the evenness of skin tone, reduces acne lesions;

· Alleviates melasma on ethnic skin, provides a significant anti-inflammatory effect;

· Preservative-free peptide solution.

Specification:

Appearance	Clear solution
Odor	Characteristic
Peptide content	Not less than 1600ppm
Heavy metals (as Pb)	10ppm
Arsenic (as As_2O_3)	Not more than 2ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Usage: Adding it at the last step,the temperature is below 40℃.

◇ Dosage: 0.5-5%.

◇ Packing: 1kg,5kg,10kg/drum.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: MyristoylPentapeptide-17

CAS NO.: --

Application

Eyelashes :
Eyelash cream、
Eyelashes care
Hair care、shampoo,
hair condition.etc.

Functions:

Stimulate keratin grow,enhance the appearance for lengthen/hair and eyelashes.

Specification:

Appearance	Clear to slightly opaque,colourless to yellowish, viscous liquid
Relative density (D20/4)	0.970 ~ 1.075
Refractive index (n20/D)	1.295 ~ 1.398
pH	4.5 ~ 6.5
Peptide content	Not less than 1000ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative
Salmonella	Negative

◇ Dosage: 2-10%.

◇ Packing: 1kg,5kg,10kg/drum.

◇ Storage: 2-8℃,it is kept at 4℃ best.

◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Myristoyl Hexapeptide-16
CAS NO: --

Application

· Eyelash care
· Hair care

Functions:

· Enhance the appearance for lengthen/thicken eyelashes.
· Fortify the hair, noticeably intensifying one's expression.

Specification:

Appearance	Colourless to pale beige Clear viscous liquid
Relative density（D20/4）	0.997 ~ 1.097
Refractive index（n20/D）	1.314 ~ 1.414
pH	4 ~8
Peptide content	Not less than 1000ppm
Aerobic plate	Max 100 cfu/g
Yeast & mould	Max 100 cfu/g
Escherichia coli	Negative

◇ Dosage: 1-5%.
◇ Packing: 1kg/bottle，5kg/ Barrel，10kg/ Barrel.
◇ Storage: 2-8℃,it is kept at 4℃ best.
◇ Shelf life: In the above storage condition,the shelf life is 24 months.

Activity Peptide: Biotinoyl Tripeptide-1
CAS No.: 299157-54-3

Application

Mascaras, eyelash conditioners,eye make-up removers.

Functions:

· Make eyelashes appear longer, fuller and stronger.
· Promotes hair bulb keratinocyte proliferation and ensures optimal hair anchorage by stimulating the synthesis and organisation of the dhesion molecules laminin 5 andcollagen IV.
· Promotes the wound heal.

Specification:

Appearance	Colorless to pale beige viscous liquid
Relative density (20°C)	1.195-1.285
Refractive index (20°C)	1.410-1.480g/ml
Peptide content (HPLC) (ppm)	≥300
Bacteria	<100 cfu/g
Yeast and molds	<10 cfu/g

◇ Dosage: 1～3%.
◇ Packing: 1kg/bottle，5kg/Barrel，10kg/Barrel.
◇ Storage: 2-8℃, it is kept at 4℃ best.
◇ Shelf life: In the above storage condition, the shelf life is 24 moths.

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