

# Trehalose

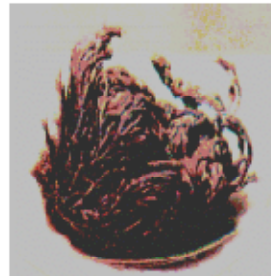
For skin & hair protection

**Hayashibara**

# Trehalose allows organisms to survive dehydration

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'Resurrection plant' *Selaginella lepidophylla*



Desiccated form



Active form

'Anhydrobiotic organism' tardigrade



Desiccated form



Active form

Trehalose serves as a buffer against stress such as desiccation and freezing. These organisms have tolerance to the lack of water because of their ability to produce large Amount of Trehalose, and they are able to revive after placed in water.

# Production of Trehalose

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Conventional process of Trehalose production

Extraction from microorganisms such as baker's yeast

→ Low yield and high production costs

A novel biotechnological process developed by Hayashibara

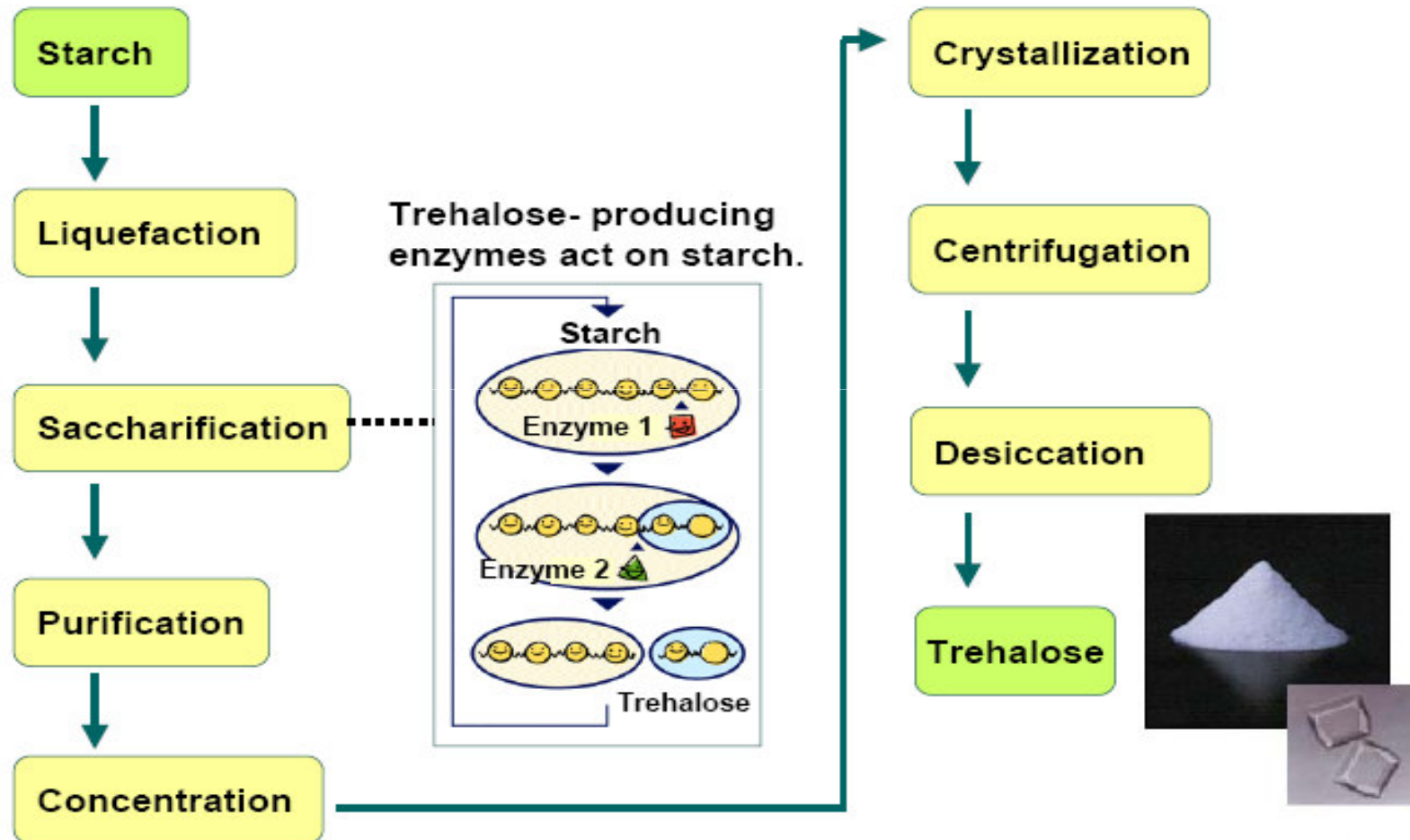
**Two novel Trehalose-producing enzymes from a bacterium**

- Acting together on starch
- High yield

→ **Mass production of Trehalose became possible**



# The Manufacturing process

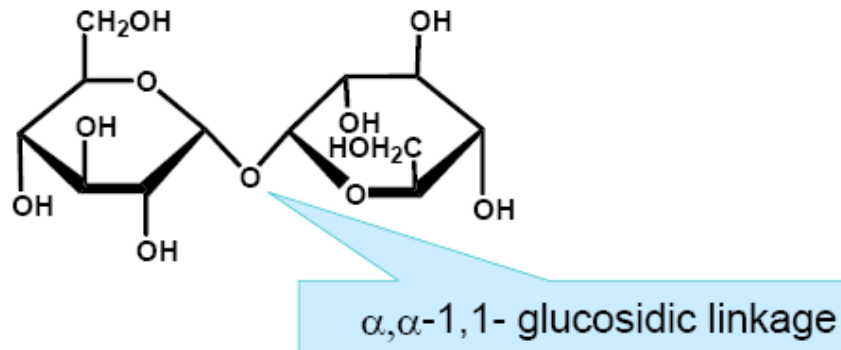


A close-up photograph of a person's hand. The skin is severely cracked and dry, particularly on the back of the hand and fingers. A prominent, red, raised, and irritated patch is visible on the back of the hand, near the wrist. The overall appearance suggests a severe skin condition, possibly related to chemical exposure or a physical reaction.

# Chemical & Physical Properties

# Chemical & Physical properties

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- **Non reducing**
- **Not susceptible to Maillard reaction**
- **Highly stable to heat**
- **Highly stable over wide pH range**
- **Not hygroscopic**
- **Harmless to the health**

# Beneficial effects

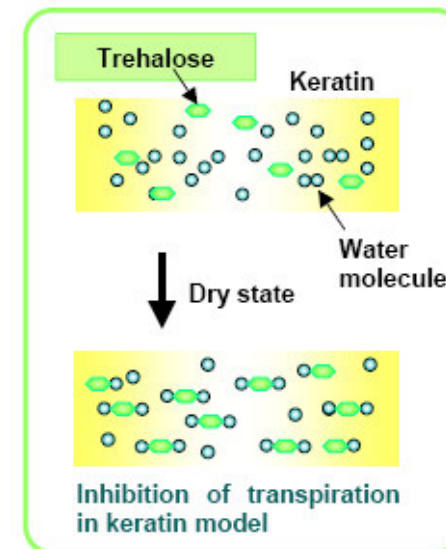
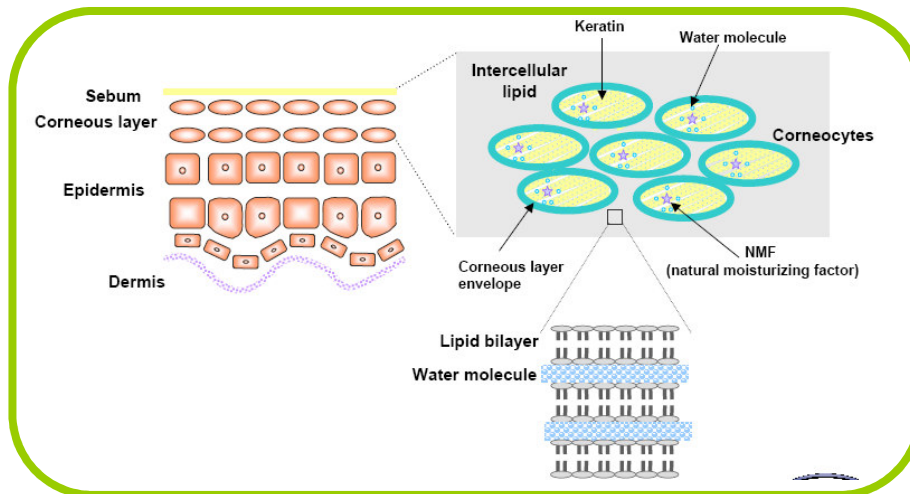
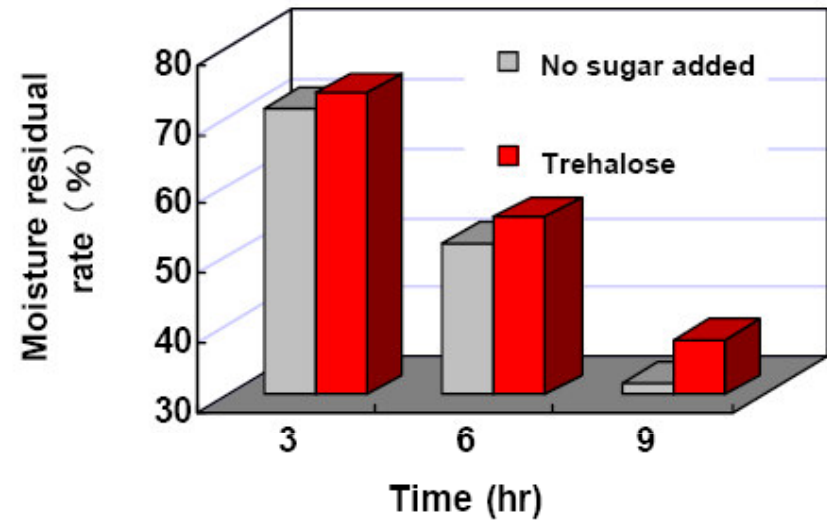


- **Moisture retention**
- **Cell protection**
- **Odor suppression**



# Moisturizing effect on skin

1 ml of keratin containing solution  
 (keratin powder: 0.1g. TritonX-100:0.1mg)  
 +Trehalose (final conc. 0 or 0.5%)  
 ↓ 40 °C, 15 h in vacuo add 0.1 ml water  
 ↓ RH 22.4%  
 Measure the weight of each sample,  
 and calculate residual moisture rate  
 (Moisture content of the sample before  
 dry up is regarded as 100%)

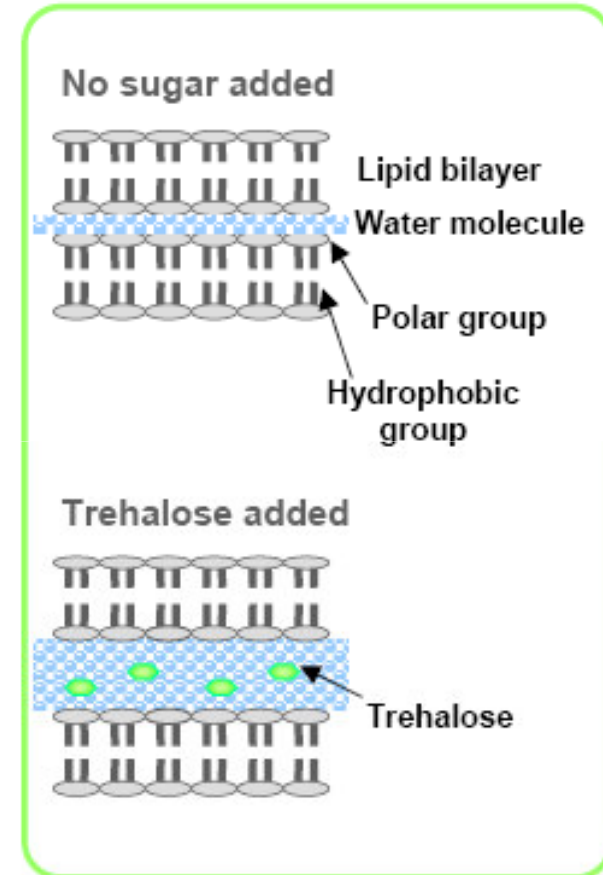
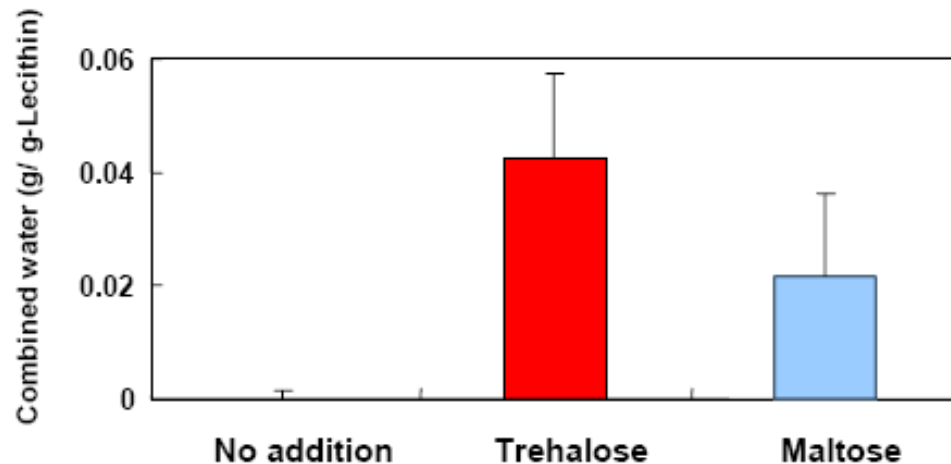




# Retaining effect on combined water in “lecithin model”

4 g of yolk lecithin + 2 ml of 10% sugar solution  
↓ Homogenize  
Fusion enthalpy of water in the sample was measured by a differential scanning calorimeter, and the free water content was calculated :

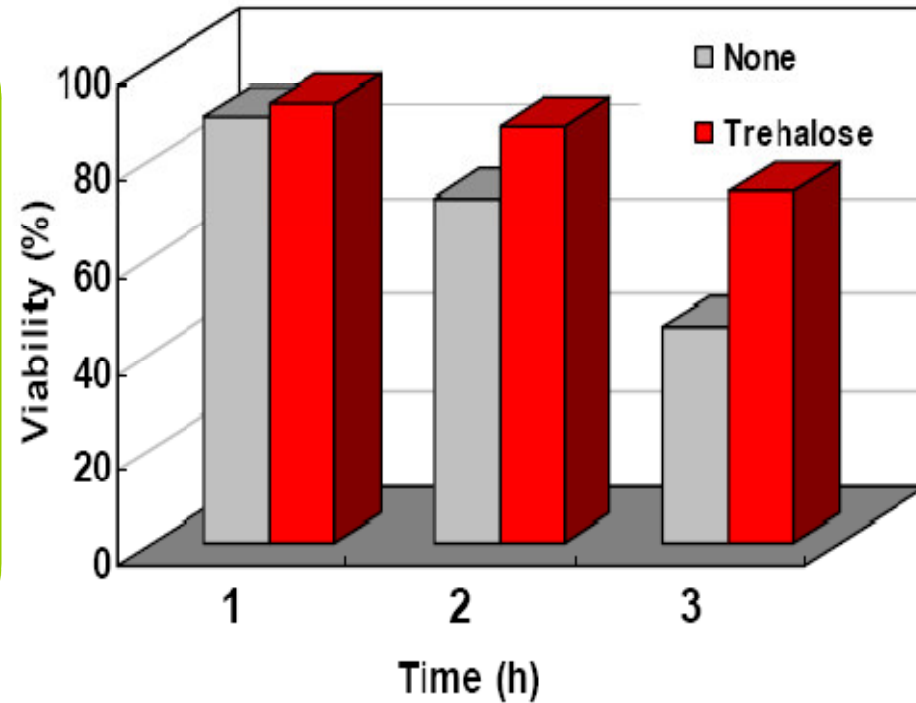
$$\text{Combined water} = \text{Total water} - \text{Free water}$$



# Protective effect on cell damage by drying

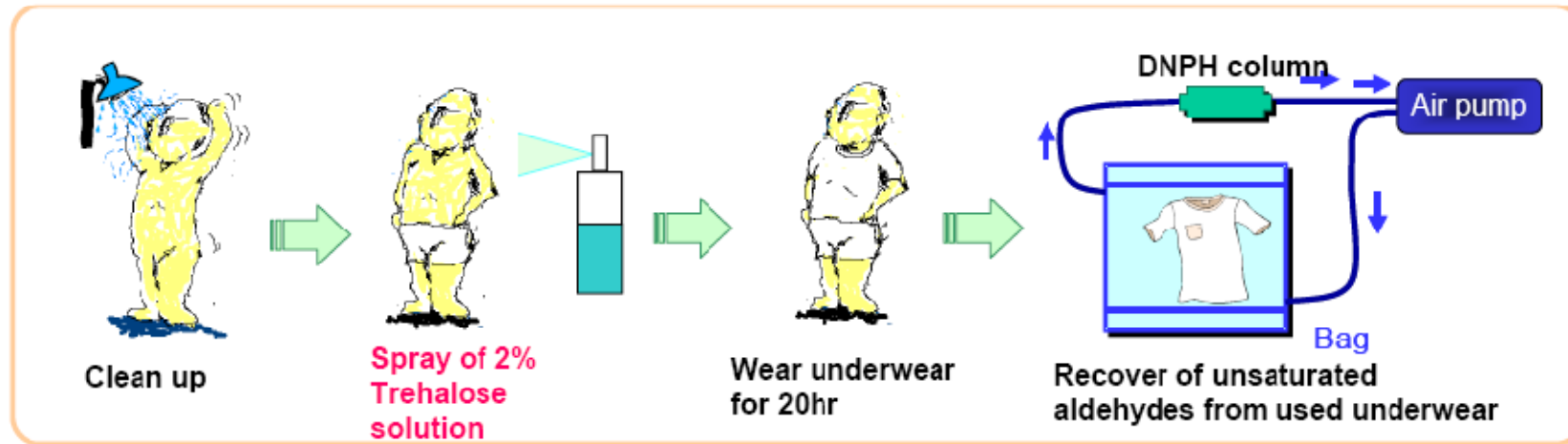
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After incubating confluent human fibroblasts with a medium containing 1% sample, the medium was completely removed. The cells were stored at room temperature in a clean bench for 1-3 h. and then the viability was measured.

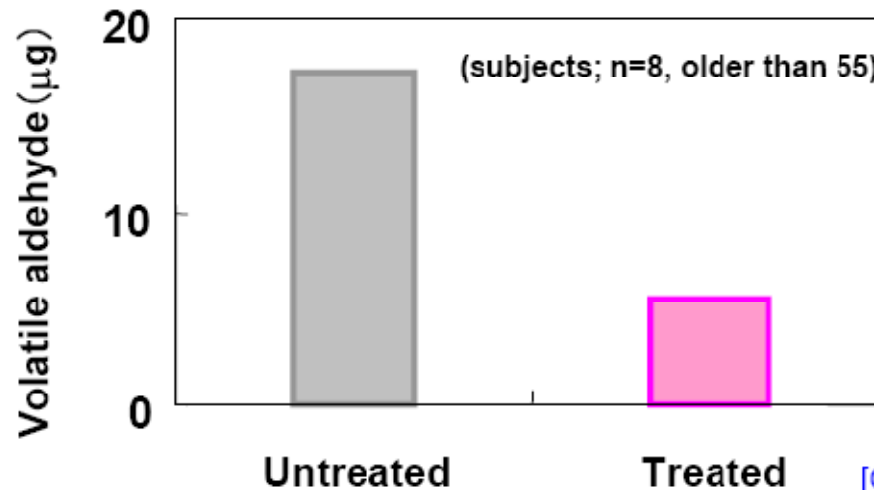


# Protective effect on cell damage by drying

## Test method

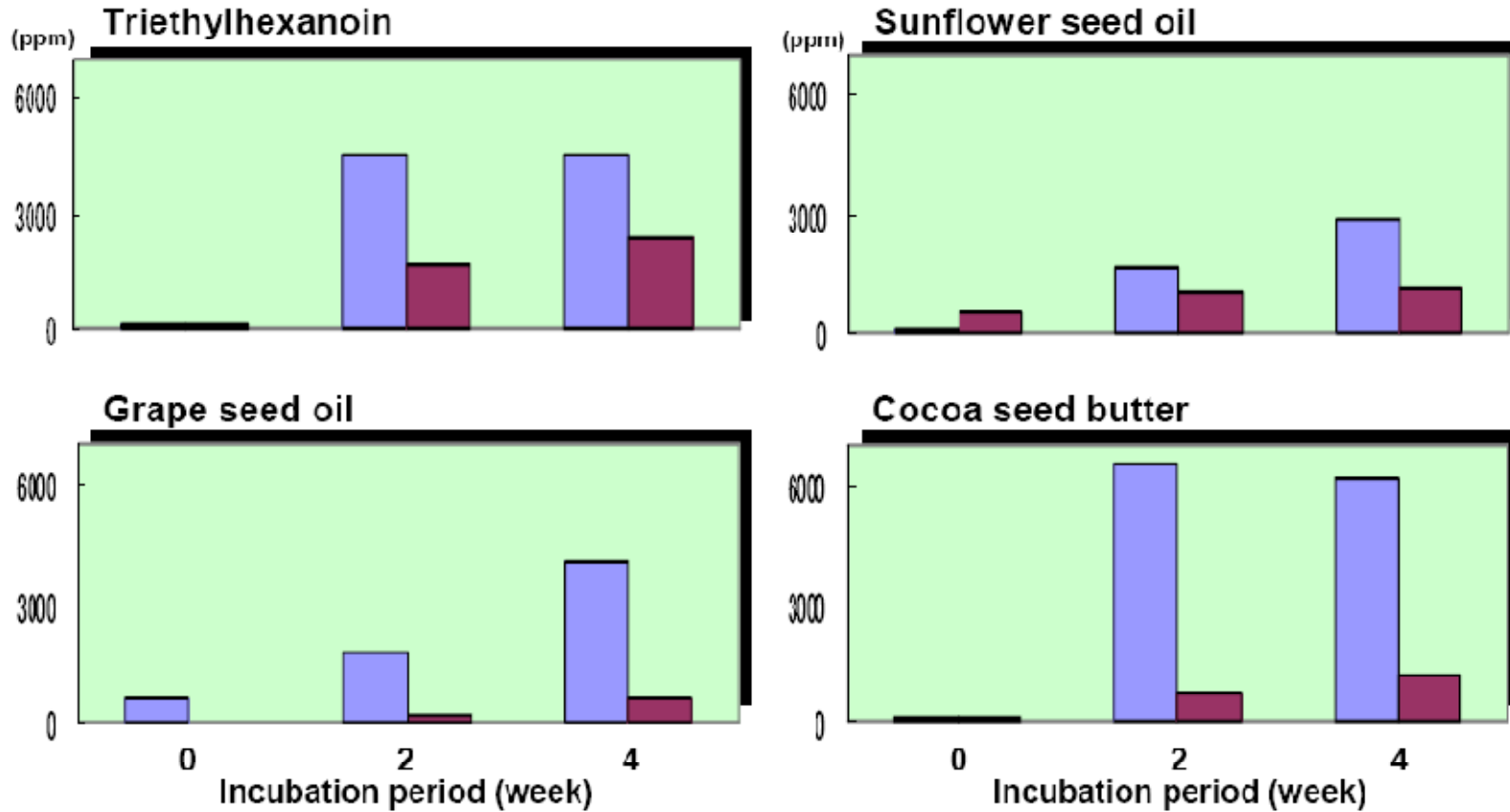


## Result

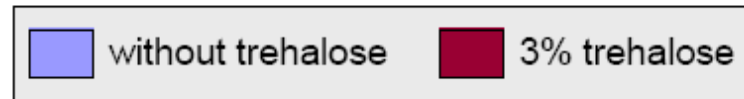


[Oku, *BIO INDUSTRY*, 18, 40 (2001)]

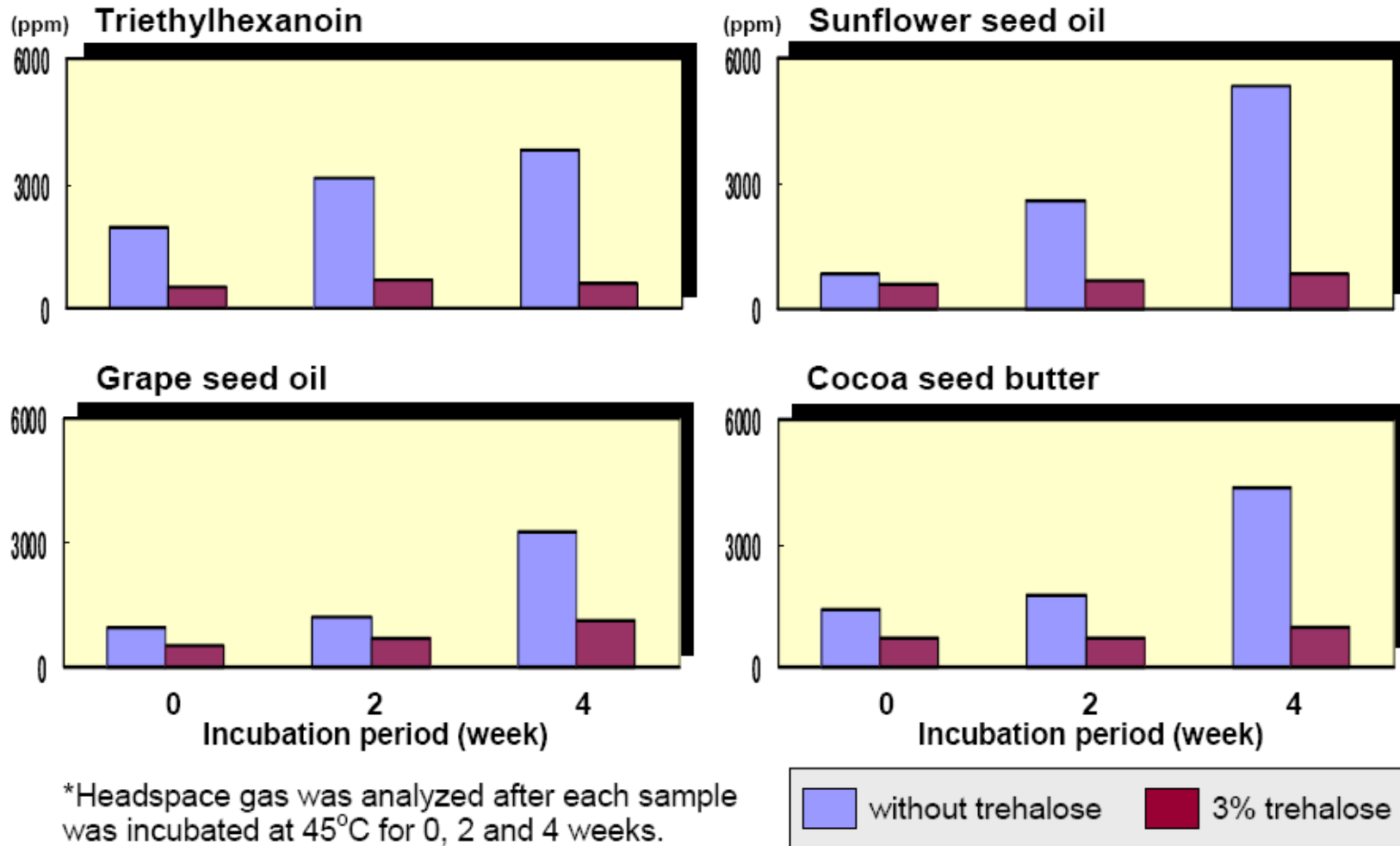
# Suppression of oil-oxidized odor in emulsion formulation :Volatile aldehydes (C<sub>3</sub>-C<sub>7</sub>)



\*Headspace gas was analyzed after each sample was incubated at 45°C for 0, 2 and 4 weeks.



# Suppression of oil-oxidized odor in emulsion formulation :Medium-chain alcohols (C<sub>8</sub>-C<sub>16</sub>)



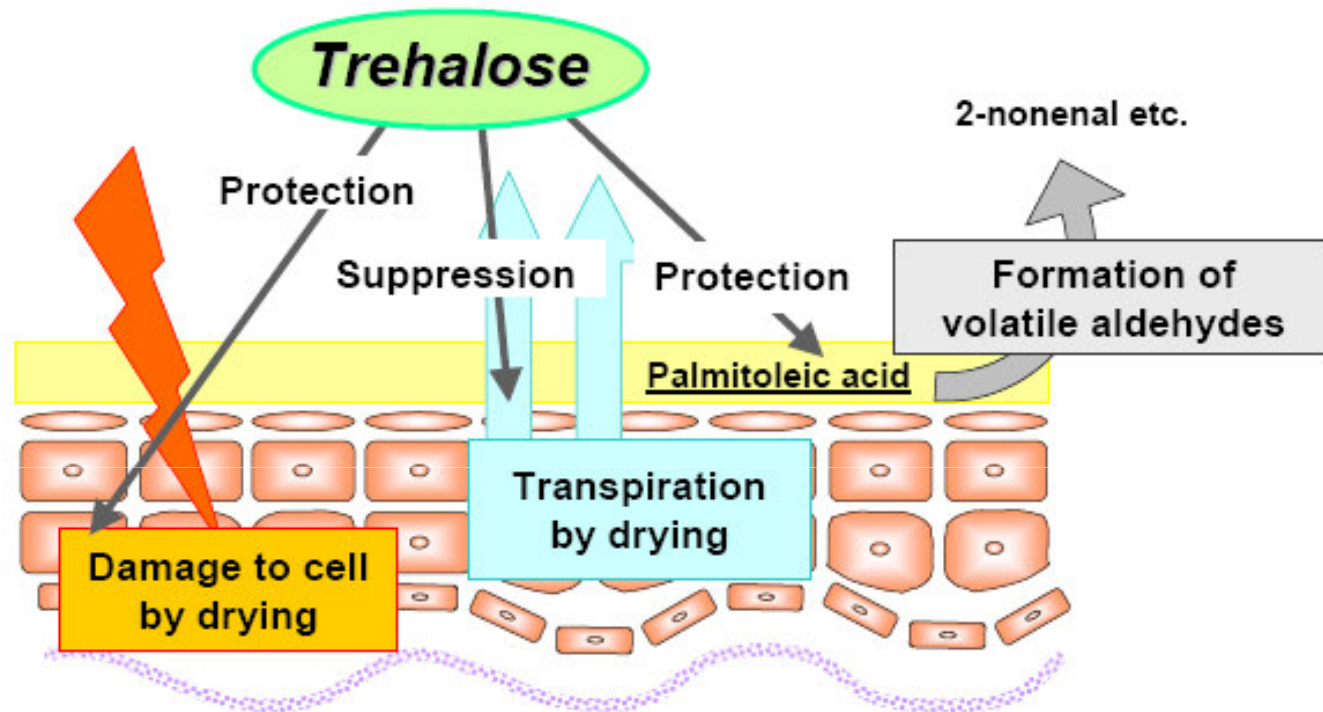
# Conclusions

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# Function of Trehalose & its application for cosmetics

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- Trehalose is widely distributed in nature and expected as a safe material for cosmetic field.
- Trehalose could maintain healthy skin conditions since it has moisturizing effect and protective effect against cell damage from drying.
- Trehalose has suppressive effect on the development of the body odor particular to elderly persons.



*Trehalose 100*  
*Containing Products*

# Dove Damage Therapy Fibre Active

## Ingredients :

Water (Aqua), Cetearyl Alcohol, Dimethicone, Stearamidopropyl Dimethylamine, Behentrimonium Chloride, Lactic Acid, Fragrance (Parfum), Dipropylene Glycol, Amodimethicone, Potassium Chloride, Gluconolactone, Adipic Acid, Disodium EDTA, Sodium Sulfate, **Trehalose**, DMDM Hydrantoin, PEG 7 Propylheptyl Ether, PEG 150 Distearate, Cetrimonium Chloride, Methylchloroisothiazolinone, Methylisothiazolinone, Yellow 5 (CI 19140), Red 33 (CI 17200)



# *Trehalose 100 for Cleansing*



## **"Anera Manasopu 100g"**

a handmade soap is made by kneading soap Fruits acid (AHA). Contains 7% of AHA Glycolic acid. Cleans off unremoved old horny layer, acne, excess sebum and dirt clearly. A refreshing fragrance of Lemongrass. Vegetative oil and Edetate • It does not contain preservatives, talc, fragrance, silicone or tar color • Antioxidant • Coloring agents • This product is natural - no additives such as synthetic perfume.

### **Ingredients :**

Soap base material, water, Glycolic acid CHIKUSAKUEKI, spice (natural Oil of lemon grass), and **Trehalose**

## **"SCiCLAiR Mild Wash 150ml"**

a mild acidic liquid facial wash that gives you fine and soft form to wash your face gently. Makes your skin clean with amino acid cleansing component and conditions and washes your skin smooth and soft with moisturizer containing **trehalose** and soybean extract. No artificial fragrances or colors.



# Trehalose 100 for Cleansing



## "NURSE LOG Face Wash Foam"

Face foam which contains white birch sap, Hyaluronan acid, **Trehalose**. Light form washes like wrapping skin. It catches and removes excessive sebum neatly to leave your skin refreshed and smooth. Provides with natural ease that fits in you smoothly.

## "WAKAN Extract Bubble 80g Japanese herbal facial cleansing soap"

a facial cleansing soap which contains ingredients such as Vegetative and japanese medical herbal extract, **Trehalose**, Royal jelly seaweed. Not only washing off the lipoperoxide such as pore-clogging dirt or old horny layer clearly to polish up your skin supple and moist and makes skin smooth.



# Trehalose 100 for Skin care



## "YUZE MUTENNKASHOKUBUTSUSEI Lotion 200ml"

a skin toner which uses hot spring water from Yuze, Akita instead of regular water. This product also contains **trehalose**. It allows you to enjoy the most suitable moisture level, leading you to vivid, youthful and fresh skin. Fragrance free · No artificial colors · Paraben free · Non-Alcoholic.

## "Pure Natural Essence Lotion Lift 210ml"

a cosmetic liquid that combines skin lotion and beauty essence. Contains marine-derived collagen, hyaluronic acid, **trehalose**, etc. Gives your skin the necessary moisture and oil content and keeps it moisturized. Rich, moist-type and makes moisture last. Blends well with the skin and makes it elastic.



# Clarins Extra-Firming Body Lotion



## Body

KEEP IT LOOKING AND  
FEELING BEAUTIFUL.

INGREDIENTS : AQUA/WATER/EAU · CAPRYLIC/CAPRIC TRIGLYCERIDE · ALCOHOL · CETEARYL ETHYL-  
HEXANOATE · GLYCERIN · CETEARYL ISONONANOATE · BUTYROSPERMUM PARKII (SHEA BUTTER) ·  
C14-22 ALCOHOLS · PENTYLENE GLYCOL · CORYLUS AVELLANA (HAZEL) SEED OIL · DIMETHICONE ·  
TREHALOSE · HYDROXYETHYL ACRYLATE / SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER ·  
C12-20 ALKYL GLUCOSIDE · PARFUM/FRAGRANCE · BUTYLENE GLYCOL · AMMONIUM ACRYLOYLDI-  
METHYLTAURATE/VP COPOLYMER · MENTHYL PCA · ASIATICOSIDE · DISODIUM EDTA · POTASSIUM  
CETYL PHOSPHATE · MALTODEXTRIN · CHRYSOPHYLLUM CAINITO FRUIT EXTRACT · THYMUS CITRIO-  
DORUS FLOWER/LEAF EXTRACT · AVENA SATIVA (OAT) KERNEL EXTRACT · BOCOA PROUACENSIS  
EXTRACT · POTASSIUM SORBATE · SODIUM BENZOATE · CI 15985/YELLOW 6.

<http://sharonandheradventures.blogspot.com>





## Estee Lauder Hydrationist Maximum Moisture

**Ingredients :** Water, Bis-Diglyceryl Polyacrylate-2, HDI/PPG/Polycaprolactone crosspolymer, Simmondsia Chinensis Seed Oil, Glycerin, Caprylic/Capric Triglyceride, C12-20 acid OEG-8 ester, Dimethicone, Butylene Glycol, Cucumis Sativus, Vitis vinifera Seed Extract, Rosarinus officinalis, Selaginella tamariscina, Citrus reticulata, Punica granatum, Saccharomyces/Magnesium Ferment, Saccharomyces/Calcium Ferment, Saccharomyces/Zinc Ferment, Haberlea rhodopensis, Hordeum vulgare, Saccharomyces lysate, Polygonum cuspidatum, Glycyrrhiza Glabra, Humulus Lupulus, Astrocaryum murumuru butter, Beta vulgaris, Helianthus annuus, Aloe Barbadensis, Biosaccharide Gum-1 Adenosine phosphate, Linoleic Acid, Algae, Ethylhexyl Palmitate, Caffeine, Cetyl Alcohol, Behenyl Alcohol, Saccharide Isomerate, PEG-100 Stearate, Phytantriol, Glyceryl Stearate, Sodium PCA, Potassium cetyl phosphate, Propylene glycol dicaprate, **Trehalose**, Acrylates/C10-30 alkyl acrylate crosspolymer, Ethylbisiminomethylguaiacol Mangamese Chloride, Coconut Oil, Acetyl Carnitine HCl, Sodium Hyaluronate, Silica Dimethyl Silylate, Hydroxypropyltrimonium Honey, Phenyl Trimethicone, Zea mays oil, 7-dehydrocholesterol, Cyclodextrin, Nordihydroguaiaretic Acid, Atelocollagen, Chitosan, Caprylyl Glycol, Sphingolipids, Silica, Dextrin, Sodium Cabomer, Linolenic acid, Xanthan Gum, Fragrance, Ammonium Acryloyldimethyltaurate/VP Copolymer,





### **Moisture Surge** by *CLINIQUE*

Water (aqua), Cyclopentasiloxane, Butylene Glycol, Glycerin, *Betula alba* (Birch) Bark Extract, *Silybum marianum* (lady's thistle) Extract, *Camellia Sinensis* (green tea) Leaf Extract, *Saccharomyces lysate* Extract, Sucrose, *Aloe barbadensis* Leaf Water, **Trehalose**, Hydroxyethyl Urea, Sorbitol, Oleth-10, Tromethamine, Caffeine, Hydrogenated Lecithin, Hydrolyzed Extensin, Sodium Hyaluronate, Tocopheryl Acetate, Palmitoyl Oligo Peptide, Caprylyl Glycol, Dimethicone, Glyceryl Polymethacrylate, PEG-8, Ammonium Acryloyldimethyltaurate/VP Copolymer, Magnesium Ascorbyl Phosphate, Carbomer, Hexylene Glycol, Disodium EDTA, Phenoxyethanol, Red 4 (CI 14700), Yellow 5 (CI 19140)



**CLINIQUE**

Allergy Tested. 100% Fragrance Free.



**laura mercier**<sup>®</sup>

### **Flawless Skin Cream** by *laura mercier*

Water, Sea Water, Rosa Centifolia Flower Water, Glycerin, Diisostearyl Malate, Octylcoecyl Myristate, Cetyl Ocatanoate, Caprylic/Capric Triglyceride, Butylene Glycol, **Trehalose**, Polyglyceryl-10 Isostearate, Ethyl Oleate, Hydrogenated Palm Kernek Oil, Yeast beta-Glucan, Yeast extract, Sphingolipids, Glycosphingolipids, Hydrolyzed Collagen, Tripeptide-3, Oligopeptide-6, Hexapeptide-3, *Camellia Sinesis* Leaf Power, *Argania Spinosa* Kernel Oil, Hydrogenated Lecithin, Sodium Acsorbyl Phosphate, *Polygonum Fagopyrum* Seed Extract, *Lactobacillus* (Pear) Juice Ferment Filtrate, Arginine, Hydrogeneated Castor Oil Isostearate, *Pyrus Cydonia* Seed Extract, Isopropyl Myistate, Oleic Acid, Sorbitol, Polyquaterium-61, Beewax, Dipentaerythrityl Hexahydroxystearate/ Stearate/ Rosinate, Glyceryl Diisostearate/ Hydrogenated Rosinate, Dipotassium Glycyrrhizate, Carbomer, Polyacrylamide, Laureth-7, Sodium Polyacrylate, Propylene Glycaol, Tocopheryl Acetate, C13-14 Isoparaffin, Disodium EDTA, Phenoxyethanol



### **Perfecting Water- Rich** by *laura mercier*

Water, Sea Water, Glycerin, Betaine, Butylene Glycol, Artemia Extract, Polyquaternium-51, Camellia Sinensis Leaf Powder, Caprylic/Capric Triglyceride, **Trehalose**, Pyrus Cydonia Seed Extract, Sodium Carboxymethyl Dextran, 10-Hydroxydecanoic Acid, Sebacic Acid, 1,10-Decanediol, Tocopheryl Acetate, Citric Acid, Sodium Citrate, Disodium EDTA, PVM/MA-Decadiene-Crosspolymer, Potassium Hydroxide, Glycereth-25 PCA Isostearate, Methylparaben 0.22%

### **Perfecting Water- Light** by *laura mercier*

Water, Sea Water, Butylene Glycol, Glycerin, Alcohol, Artemia Extract, Polyquaternium-51, Acetyl Hydroxyproline, Camellia Sinensis Leaf Powder, Caprylic/Capric Triglyceride, 10-Hydroxydecanoic Acid, Sebacic Acid, 1,10-Decanediol, Arginine, Allantoin, **Trehalose**, Sodium Citrate, Glycereth-25 PCA Isostearate, PEG-60 Hydrogenated Castor Oil, Tocopheryl Acetate, Methylparaben

- laura mercier®





laura mercier®



### **Flawless Skin Eye Cream** by *laura mercier*

Water, Sea Water, Rosa Centifolia Flower Water, Glycerin, Hydrogenated Coco-Glycerides, Butylene Glycol, Sortiban Stearate, Stearyl Alcohol, Polyglyceryl-10 Stearate, Diisostearyl Malate, **Trehalose**, Butyrospermum Parkii (Shea Butter), Beewax (Cera Alba), Hydrogenated Lecithin, Vitis Vinifera (Grape) Seed Oil, Glycosphingolipids, Argania Spinosa Kernel Oil, Vitis Vinifera (Grape) Leaf Extract, Geranium Robertianum Extract, Vaccinium Myrtillus Leaf Extract, Polygonum Tinctorium Leaf Extract, Arnica Montana Flower Extract, Dipotassium Glycyrrhizate, Sodium Hyaluronate, Retinyl Palmitate, Zea Mays (Corn) Oil, Tocopherol, Uncaria Tomentosa Extract, Maltodextrin, Lactobacillus Bean Seed Extract, Sodium Glutamate, Ferment Filtrate, Caffeine, Oligopeptide-6, Hexapeptide-3, Hydrolyzed Collagen, Yeast beta-Glucan, Yeast Extract, Faex Extract, Camellia Sinensis Leaf Powder, Caprylic/Capric Triglyceride, Polyquaterium-61, Pyrus Cydonia Seed Extract, Sphingolipids, Oleic Acid, Persea Gratissima (Avocado) Oil, Hydrogenated Palm Kernel Oil, Dipentaerythryl Hexahydroxystearate/ Hexastearate/ Hexarosinate, Hydrogenated Castor Oil Isostearate, Glyceryl Diisostearate, Hydrogenated Rosinate, Behenyl Alcohol, Glyceryl Stearate, Glyceryl Stearate Citrate, Sodium Dicotylthylenediamine PEG-15, Tocopheryl Acetate, Synthetic Fluorophlogopite, Aluminum Hydroxide, Carbomer, PVM/MA Decadiene Crosspolymer, Potassium Hydroxide, Citric Acid, Disodium EDTA, Phenoxyethanol, Dimethicone

### **Flawless Skin Eye Serum** by *laura mercier*

Water, Sea Water, Rosa Centifolia Flower Water, Glycerin, Diisostearyl Malate, Octyldodecyl Myristate, Butylene Glycol, Caprylic/Capric Triglyceride, Cetyl Ethylhexanoate, **Trehalose**, Polyglyceryl-10 Isostearate, Isopropyl Myristate, Hydrogenated Palm Kernel Oil, Mica, Sodium Hyaluronate, Lactobacillus Bean Seed Extract, Sodium Glutamate Ferment Filtrate, Vitis Vinifera (Grape) Leaf Oil, Caffeine, Arnica Montana Flower Extract, Polygonum Tinctorium Leaf Extract, Geranium Robertianum Extract, Vaccinium Myrtillus Leaf Extract, Uncaria Tomentosa Extract, Isostearyl Acetyl Glutamate, Ceramide 2, Oligopeptide-6, Hexapeptide-3, Yeast beta-Glucan, Yeast Extract (Faex Extract), Argania Spinosa Kernel Oil, Hydrogenated Castor Oil Isostearate, Pyrus Cydonia Seed Extract, Arginine, Ethyl Oleate, Oleic Acid, Camellia Sinensis Leaf Powder, Beewax (Cera Alba), Dipentaerythryl Hexahydroxystearate/ Hexastearate/ Hexarosinate, Glyceryl Diisostearate, Hydrogenated Rosinate, Dipotassium Glycyrrhizate, Hydrolyzed Collagen, Retinyl Palmitate, Polycrylamide, Glyceryl Acrylate/Acrylic Acid Copolymer, Carbomer, Maltodextrin, Synthetic Fluorophlogopite, Aluminum Hydroxide, Titanium Dioxide, Disodium EDTA, Phenoxyethanol, Tocopherol, Tocopheryl Acetate, Zea Mays (Corn) Oil, Laureth-7, C13-14 Isoparaffin



**A Perfect World- Liquid Moisturizer with White Tea**  
by *ORIGINS*

**Make A Difference- Skin Rejuvenating Treatment** by *ORIGINS*

Water (Aqua) Infusions, Citrus Aurantium (Orange) Blossoms, Cyclomethicone, Butyllene Glycol, Hydrogenated Polyisobutene, **Trehalose**, Ammonium Acryloyldimethyltaurate/Vp Copolymer, Pentylene Glycol, Dimethicone, Anastatica Hierochuntica (Rose of Jericho) Extract, Himanthalia Elongate (Brown Alga) Extract, Micrococcus Lysate, Salvia Sclarea (Claryl) Extract, Citrus Limon (Lemon), Magnolia Grandiflora (Magnolia) Flowers, Acacia Decurrens (Mimosa), Citrus Sinensis (Sweet Orange), Iris Germanica (Orris), Rosa Centifolia (Cabbage Rose), Dalbergia Nigra (Cultured Rosewood), Mentha Spicata (Spearmint) and Vetiveria Zizaniodes (Vetiver) Essential Oils (Olea), Acetyl Glucosamine, Adenosine Phosphate, Tocopheryl Linoleate, Tocopheryl Oleate, Lecithin, Glycerin, Dimethicone/Vinyl Dimethicone Crosspolymer, Biosaccharide Gum-1, Potassium Benzoate, Disodium EDTA, Chlorphenesin, Phenoxyethanol, Methylparaben (Iln23093).  
Origins A Perfect World lotion ingredients



**Make A Difference- Skin Rejuvenating Hand Treatment** by *ORIGINS*



THE BODY SHOP.



### **Seaweed Clarifying Night Treatment** by *The Body Shop*

Water (Solvent/Diluent), PEG-8 (Humectant), Phenoxyethanol (Preservative), Laureth-23 (Emulsifier), Carbomer (Stabiliser/Viscosity Modifier), Methylparaben (Preservative), Butylene Glycol (Humectant), Fragrance (Fragrance), Sodium Hydroxide (pH Adjuster), Propylene Glycol (Humectant), Benzoic Acid (Preservative), Chlorphenesin (Cosmetic Biocide), Glycerin (Humectant), Polyquaternium-51 (Film Former), Sodium Hyaluronate (Humectant), Sodium PCA (Humectant), **Trehalose** (Humectant), Urea (Humectant), Zinc Gluconate (Skin Conditioning Agent), Algae Extract (Natural Additive), Hydrolyzed Algin (Soothing agent), Zinc Sulphate (Cosmetic Astringent), Arnica Montana Extract (Natural Additive), Camellia Sinensis Extract (Natural Additive), Disodium EDTA (Chelating Agent), Fucus Vesiculosus (Bladderwrack) Extract (Skin Conditioning Agent), Butylparaben (Preservative), Ethylparaben (Preservative), Propylene Glycol Alginate (Binder), Hydrolyzed Wheat Protein (Skin/Hair Conditioning Agent), Sodium Stearate (Surfactant), Propylparaben (Preservative), Isobutylparaben (Preservative), Benzyl Alcohol (Preservative), Linalool (Fragrance Ingredient), Butylphenyl Methylpropional (Fragrance Ingredient), Benzyl Salicylate (Fragrance Ingredient), Acacia Senegal Gum (Film Former), Serine (Skin Conditioning Agent), Xanthan Gum (Viscosity Modifier), Citronellol (Fragrance Ingredient), Alpha-Isomethyl Ionone (Fragrance Ingredient), Tocopherol (Antioxidant)





### **Prevage Eye Anti-Aging Moisturizing Treatment** by *Elizabeth Arden*

Cyclopentasiloxane, Water (Aqua), Glycerin, C30-45 Alkyl Cetearyl Dimethicone Crosspolymer, Sea Water/Maris Aqua, Pentylene Glycol, Dipropylene Glycol, Dimethicone/Vinyl Dimethicone Crosspolymer, Dimethicone, Butylene Glycol, Algae Extract, PEG-11 Methyl Ether Dimethicone, Hydroxydecyl Ubiquinone, Anthemis Nobilis Flower Extract, Camellia Sinensis Leaf Extract, Cucurbita Pepo (Pumpkin) Seed Extract, Dihydroavenanthramide, Chrysin, Sodium Hyaluronate, Lactic Acid, Cetyl Palmitate, C12-15 Alkyl Benzoate, Glyceryl Stearate, Propylene Glycol, Sodium PCA, **Trehalose**, Urea, Hydrolyzed Soy Protein, Palmitoyl Oligopeptide, Palmitoyl Tetrapeptide-7, Palmitoyl Tripeptide-5, Phospholipids, Polyphosphorylcholine Glycol Acrylate, Trisiloxane, Acetyl Tetrapeptide-5, Ammonium Acryloyldimethyl Taurate/VP Copolymer, Ammonium Acryloyldimethyltaurate/Beheneth-25 Methacrylate Crosspolymer, Lauryl Glucoside, PEG-100 Stearate, Polysorbate 20, Steareth-20, Acrylamide/ Ammonium Acrylate Copolymer, Polyquaternium-51, Polyisobutene, Peg-8, Xanthan Gum, Nylon-12, Dimethyl Methoxy Chromanol, Pentasodium Triphosphate, Disodium EDTA, N-Hydroxysuccinimide, Mica, Benzoic Acid, Butylparaben, Ethylparaben, Isobutylparaben, Methylparaben, Phenoxyethanol, Potassium Sorbate, Propylparaben, Sorbic Acid, Chlorhexidine Digluconate, Chlorphenesin, Red 4 (CI 14700), Titanium Dioxide (CI 77891), Yellow 5 (CI 19140)

### **Prevage Anti-Aging Treatment** by *Elizabeth Arden*

Water (Aqua), Cyclopentasiloxane, Dimethicone/Vinyl Dimethicone Crosspolymer, Pentylene Glycol, PEG-8, Glycerin, Phospholipids, Isopropyl Lauroyl Sarcosinate, Algae Extract, Ammonium Acryloyldimethyl Taurate/VP Copolymer, Hydroxydecyl Ubiquinone, Camellia Sinensis Leaf Extract, Sodium Hyaluronate, PPG-2 Isoceteth-20 Acetate, Propylene Glycol, Sodium PCA, **Trehalose**, Urea, Polyphosphorylcholine Glycol Acrylate, Deoxyarbutin, Ammonium Acryloyldimethyltaurate/ Beheneth-25 Methacrylate Crosspolymer, Caprylyl/Capryl Glucoside, Sodium Acrylate/ Acryloyldimethyl Taurate Copolymer, Polyquaternium-51, Polyisobutene, Butylene Glycol, Sodium Hydroxide, Dimethylmethoxy Chromanol, Mica, Fragrance (Parfum), Benzoic Acid, Methylparaben, Phenoxyethanol Propylparaben, Sorbic Acid, Chlorphenesin, Red 4 (CI 14700), Titanium Dioxide (CI 77891)



**Elizabeth Arden**

**DERMATECHNOLOGY DIVISION**



## Elizabeth Arden Moisture Shield Lotion SPF 15 *by Elizabeth Arden*

Active Ingredients: Octinoxate 6.25% W/W, Octisalate 5% W/W, Oxybenzone 2% W/W, Avobenzone 1.5% W/W.

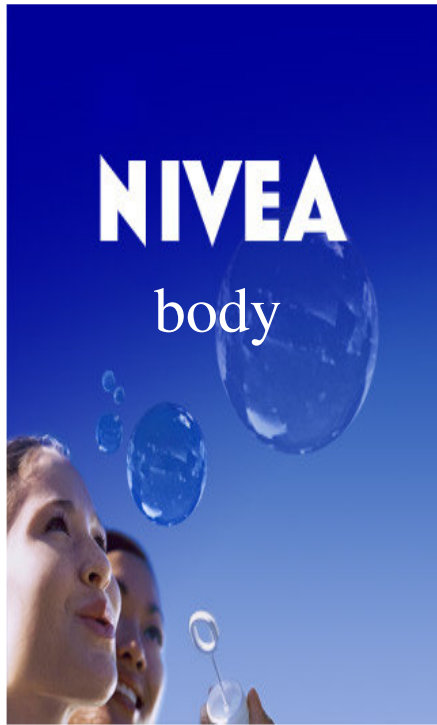
Water (Aqua), Cyclopentasiloxane, Isostearyl Neopentanoate, Hydrogenated Polyisobutene, Glycerin, Phenyl Trimethicone, Butylene Glycol, Dimethicone/Vinyl Dimethicone Crosspolymer, Phenoxyethanol, Petrolatum, PEG-8, Theobroma Cacao (Cocoa) Seed Butter, Butyrospermum Parkii (Shea Butter) Extract, Phospholipids, Pentaerythrityl Tetraethylhexanoate, Cucumis Sativis (Cucumber) Juice, Lycium, Chinese Fruit Extract, Panax Ginseng Root Extract, Salvia Officinalis (Sage) Leaf Extract, Vanilla Tahitensis Fruit Extract, Sodium Hyaluronate, Lactic Acid, Tocopheryl Acetate, Arginine, Carnosine, Glycine, Lysine, Proline, Propylene Glycol, Sodium PCA, **Trehalose**, Urea, Hydrogenated Lecithin, Polyphosphorylcholine Glycol Acrylate, Sucrose, Cetearyl Alcohol, Stearic Acid, Polyquaternium-51, Ethoxydiglycol, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Carbomer, Xanthan Gum, Citric Acid, Trithanolamine, Sodium Sulfite, Disodium EDTA, Hydroxypropyl Starch Phosphate, Dimethiconol, Parfum/Fragrance, Butylphenyl Methylpropional, Limonene, Benzoic Acid, Butylparaben, Ethylparaben, Isobutylparaben, Methylparaben, Potassium Sorbate, Propylparaben, Sodium Benzoate, Chlorphenesin

## Ceramide Plump Perfect Moisture *by Elizabeth Arden*

Water, Butylene Glycol, Isostearyl Neopentanoate, Cyclopentasiloxane, Dimethicone, Crosspolymer, Glycerin, Butyrospermum Parkii (Shea Butter) Extract, Phenoxyethanol, Ceramide 1, Ceramide 3, Ceramide 6-II, Alpinea Spciosa, Trifolium Pratense (Clover) Flower Extract, Sodium Hyaluronate, Ascorbyl Palmitate, Retinyl Linoleate, Retinyl Palmitate, Tocopherol, Tocopheryl Acetate, Squalane, Acetyl Hexapeptide-3, Propylene Glycol, Sodium PCA, **Trehalose**, Urea, Hydrogenated Lecithin, Lecithin, Phospholipids, Phytosphingosine, Polyphosphorylcholine Glycol Acrylate, Hydroxyethyl Acrylate/Sodium Acryloyl Dimethyl Taurate Copolymer, Tideceth-6, Polyquaternium-51, Acrylamide/Sodium Acrylate Copolymer, Sucrose, PEG-8, Cetearyl Alcohol, Cholesterol, Polysorbate 60, Sodium Lauroyl Lactylate, Stearic Acid, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Carbomer, Triethanolamine, BHT, Hydroxypropyl Starch Phosphate, Mineral Oil, Dimethiconol, Phenyl Trimethicone, Fragrance, Benzoic Acid, Chlorphenesin, Methylidibromo Glutaronile, Methylparaben, Potassium Sorbate, Propylparaben, Red 4, Yellow 6







## Lifecella treatment Mask

**hisamitsu**



LUX

### Super Rich Shine Shampoo

#### 【Ingredients】

water, sodium laureth sulfate, glycol distearate, cocamidopropyl betaine, dimethiconol, sodium hyaluronate, **TREHALOSE**, adipic acid, ammonium carbonate, arginine, oleic acid, silk extract, guar hydroxypropyl trimonium chloride, PPG-7, sodium chloride, citric acid, cocamide MEA, laureth-10, laureth-23, laureth-25, TEA, dodecyl benzenesulfonate, ethanol, EDTA-2NA, BHT, fumaric acid, sodium benzoate, methylisothiazolinone, methylchloroisothiazolinone, fragrance



LUX

### Super Damage Repair Shampoo

#### 【INGREDIENTS】

水、ラウレス硫酸ナトリウム、ジステアリン酸グリコール、ココミドプロピルベタイン、ジメチコノール、**TREHALOSE**、アジピン酸、炭酸アンモニウム、オレイン酸、シルクエキス、アルギニン、バリン、ロイシン、イソロイシン、リシン、トレオニン、メチオニン、フェニルアラニン、トリプトファン、グルタミン酸、アラニン、グルタミン、アスパラギン酸、プロリン、システイン、ヒスチジン、チロシン、アスパラギン、グリシン、セリン、グアーヒドロキシプロピルトリモニウムクロリド、PPG-7、塩化ナトリウム、クエン酸、ココミドMEA、ラウレス-10、ラウレス-23、ラウレス-25、ドデシルベンゼンスルホン酸TEA、ベタイン、PCナトリウム、ソルビトール、エタノール、サリチル酸ナトリウム、メチルパラベン、EDTA-3ナトリウム、BHT、安息香酸ナトリウム、メチルイソチアゾリノン、メチルクロロイソチアゾリノン、カラメル、香料



SHISEIDO

美容液で、髪を愛そう。 *fino*  
PREMIUM TOUCH



## Fino Hair Mask 230g

### 【Ingredients】

水、ソルビトール、ジメチコン、水添ナタネ油アルコール、イソペンチルジオール、ベヘントリモニウムクロリド、アミノプロピルジメチコン、アルキル(C12、14)オキシヒドロキシプロピルアルギニンHCl、ステアリルジヒドロキシプロピルジモニウムオリゴ糖、グルタミン酸、**Trehalose**、スクワラン、ステアルトリモニウムクロリド、PEG-90M、PCA、ラウロイルグルタミン酸ジ(フィトステリル/オクチルドデシル)、加水分解コムギタンパク、ポリクオタニウム-64、加水分解コムギデンブ、ローヤルゼリーエキス、イソプロパノール、セタノール、オクチルドデカノール、エタノール、PG、BG、トコフェロール、フェノキシエタノール、安息香酸Na、香料、黄5

**AQUA LABEL**

Cleansing gel



**AQUA LABEL**

Face wash



**AQUA LABEL**

Face Mask



**AQUA LABEL**

Cream 30g

**【Ingredients】**

water, glycerin, BG, DPG, cyclomethicone, mineral oil, triethylhexanoin, **TREHALOSE**, PEG/PPG-14/7 dimethyl ether, lavandula augustifolia (lavender) oil, rosa canina fruit extract, sodium hyaluronate, soluble collagen, carbomer, glyceryl distearate (SE), PEG-60 glyceryl isostearate, behenyl alcohol, batyl alcohol, polyvinyl alcohol, potassium hydroxide, acrylates (C10-30) copolymer, EDTA-3N, dimethicone copolyol, citrus aurantium dulcis (orange) oil, tocopherol, phenoxyethanol

**AQUA LABEL**

Lotion



**AQUA LABEL**

Milky lotion



**AQUA LABEL**

UV



# H+B SCICLAIR



Sciclair  
White Lotion(dry)

## 【INGREDIENTS】

**ASCORBYL GLUCOSIDE(AA2G)**、  
DIPOTASSIUM GLYCYRRHIZATE、  
**TREHALOSE**、ALOE  
ARBORESCENS LEAF EXTRACT、  
CHLORELLA VULGARIS EXTRACT、  
PUERARIA LOBATA ROOT EXTRACT、  
GLYCINE SOJA (SOYBEAN) SEED  
EXTRACT、AESCLUS  
HIPPOCASTANUM (HORSE  
CHESTNUT) EXTRACT、PYRUS  
MALUS (APPLE) FRUIT EXTRACT、  
ZOSTERA MARINA EXTRACT、  
SOLUBLE COLLAGEN、SODIUM  
HYALURONATE、GLYCERIN、  
BUTYLENE GLYCOL、CITRUS  
AURANTIUM DULCIS (ORANGE) OIL、  
CHAMOMILLA RECUTITA  
(MATRICARIA) FLOWER OIL、SALVIA  
OFFICINALIS (SAGE) OIL、PEG-2  
HYDROGENATED CASTOR OIL、  
CITRIC ACID、SODIUM CITRATE、  
XANTHAN GUM、POTASSIUM  
HYDROXIDE、PENTYLENE GLYCOL、  
**QUATERNIUM-73(Pionin)**、  
PHENOXYETHANOL、WATER



Sciclair  
White Extra Essence

## 【INGREDIENTS】

**ASCORBYL GLUCOSIDE(AA2G)**、  
**TREHALOSE**、GLYCINE SOJA  
(SOYBEAN) SEED EXTRACT、  
ZOSTERA MARINA EXTRACT、ALOE  
ARBORESCENS LEAF EXTRACT、  
CHLORELLA VULGARIS EXTRACT、  
PUERARIA LOBATA ROOT EXTRACT、  
LEONTOPODIUM ALPINUM EXTRACT、  
SAXIFRAGA SARMENTOSA EXTRACT、  
**POLYQUATERNIUM-51**、AESCLUS  
HIPPOCASTANUM (HORSE CHESTNUT)  
EXTRACT、PYRUS MALUS (APPLE)  
FRUIT EXTRACT、CERAMIDE 3、  
LITHOSPERMUM ERYTHRORHIZONE  
ROOT EXTRACT、SQUALANE、  
MALTITOL、ETHYL GUAI AZULENE  
SULFONATE、POLYGLYCERYL-10  
MYRISTATE、GLYCERIN、GLYCERIN、  
PENTYLENE GLYCOL、BUTYLENE  
GLYCOL、ISOPROPYL PALMITATE、  
DIMETHICONE、CITRUS AURANTIUM  
DULCIS (ORANGE) OIL、CHAMOMILLA  
RECUTITA (MATRICARIA) FLOWER OIL、  
POTASSIUM HYDROXIDE、SODIUM  
HYDROXIDE、SODIUM CITRATE、  
ACRYLIC ACID· ALKYL  
METHACRYLATE COPOLYMER、  
TRISODIUM EDTA、SODIUM  
METHYL PARABEN、WATER



Sciclair  
White  
Cream  
【INGREDIENTS】

**ASCORBYL GLUCOSIDE(AA2G)**、  
DIPOTASSIUM GLYCYRRHIZATE、  
**TREHALOSE**、GLYCINE SOJA  
(SOYBEAN) SEED EXTRACT、ZOSTERA  
MARINA EXTRACT、SODIUM  
HYALURONATE、ASCORBYL  
TETRAISOPALMITATE、  
HYDROXYPROLINE、  
GLYCOSPHINGOLIPIDS、**TOCOPHEROL**、  
SQUALANE、MACADAMIA TERNIFOLIA  
SEED OIL、  
**PHYTOSTERYL/OCTYLDODECYL  
LAUROYL GLUTAMATE**、  
**TRIETHYLHEXANOIN**、**CETYL  
ETHYLHEXANOATE**、PHYTOSTERYL  
OLEATE、DIMETHICONE、**BETAINE**、  
CAMEL、GLYCERIN、DIGLYCERIN、  
PENTYLENE GLYCOL、BUTYLENE  
GLYCOL、XANTHAN GUM、BEHENYL  
ALCOHOL、HYDROGENATED LECITHIN、  
GLYCERYL STEARATE、C12-14  
HYDROXYALKYL MALTITOL ETHER、  
SODIUM STEAROYL GLUTAMATE、  
GLYCERYL UNDECYLENATE、  
PHELLODENDRON AMURENSE BARK  
EXTRACT、SALVIA OFFICINALIS (SAGE)  
OIL、CITRUS AURANTIUM DULCIS  
(ORANGE) OIL、ALCOHOL、ARGININE、  
SODIUM HYDROXIDE、CARBOMER、  
ACRYLIC ACID· ALKYL METHACRYLATE  
COPOLYMER、PHENOXYETHANOL、  
WATER



Sciclair  
Creamy Bar

## 【INGREDIENTS】

SEKKEN-NA/K  
(JTN)、WATER、  
LAURIC ACID、  
**TREHALOSE**、  
GLYCINE SOJA  
(SOYBEAN) SEED  
EXTRACT、  
**maltooligosyl  
glucoside/hydro  
genated starch  
hydrolysate  
(MG60)**、CITRUS  
GRANDIS  
(GRAPEFRUIT) PEEL  
OIL、TALC、  
POLYSORBATE 20、  
PROPYLENE  
GLYCOL、  
BUTYLENE GLYCOL、  
GLYCERIN、CITRIC  
ACID、  
TOCOPHEROL、  
TITANIUM DIOXIDE



CHIFURE  
ちふれ



**CHIFURE Wipe-off toner**

BG, PCA-Na, Allantoin, **Trehalose**, Ethanol, Sucrose laurate, PEG-50 Hydrogenated castor oil, Methyl paraben, Sodium citrate, Citric acid, Tocopheryl acetate, Water

CHIFURE  
ちふれ



**CHIFURE Lotion (light)**

Ethanol, PG, **Trehalose**, BG, Sodium hyaluronate, Sodium citrate, Citric acid, Phenoxy ethanol, Methyl paraben, Water

CHIFURE  
ちふれ

CHIFURE  
ちふれ



**CHIFURE Lotion (hydrate)**

Glycerin, BG, Dipotassium glycyrrhizate, **Trehalose**, Sodium hyaluronate, Ethanol, 50 PEG- Hydrogenated castor oil, Methyl paraben, Phenoxy ethanol, Sodium citrate, Citric acid, Tocopheryl acetate, Water

CHIFURE  
ちふれ



いつも「きれい」に、まっすぐ。



### **CHIFURE Emulsion (light)**

PG, **Trehalose**, Sodium hyaluronate, Mineral oil, Trioctanoin, Squalene, Stearic acid, Cetearyl alcohol, Lanoline, Paraffin, Sorbitan stearate, Sorbeth-30, Tetraoleate, Polysorbate 60, Methyl paraben, Propyl paraben, Ethanol, Phenoxy ethanol, Carbomer, Potassium hydroxide, BHT, Tocopherol, EDTA-2Na, Water

### **CHIFURE Emulsion (hydrate)**

Mineral oil, Cetyl ethylhexanoate, Beewax, Behenyl alcohol, Glycerin, BG, **Trehalose**, Sodium hyaluronate, Ceteth-20, Glyceryl stearate, Methyl paraben, Propyl paraben, Ethanol, Phenoxy ethanol, Carbomer, Potassium hydroxide, Tocopherol, EDTA-2Na, Water



CHIFURE  
ちふれ



### **CHIFURE Essential Cream**

Cetyl ethylhexanoate, Cetyl alcohol, Trioctanoin, Batyl alcohol, Dimethicone, BG, Hydrogenated lecithin, **Trehalose**, Sodium hyaluronate, Ubiquinone, Polyquanterium-51, Polyglyceryl myristate-10, Methyl paraben, Propyl paraben, Ethanol, Phenoxy ethanol, Tocopherol, Xanthan gum, Water

CHIFURE  
ちふれ

### **CHIFURE Moisturizing Cream**

Mineral oil, Cetyl ethylhexanoate, Fatty acid (C10-30) (cholesteryl/ lanosterol esters), Squalene, Beewax, Cetyl alcohol, Vaseline, Microcrystalline wax, Paraffin, Cyclomethicone, BG, Sodium hyaluronate, **Trehalose**, Glyceryl stearate (SE), Polysorbate 60, 20/20 PEG/PPG- Dimethicone, Methyl paraben, Propyl paraben, Ethanol, Phenoxy ethanol, Tocopherol, BHT, Water

CHIFURE  
ちふれ





CHIFURE  
チフル



### **CHIFURE Peel-off pack**

Polyvinyl alcohol, Titanium oxide, Kaolin, Silica, BG, Sorbitol, **Trehalose**, Sodium hyaluronate, Trioctanoin, Ethanol, PEG-40 Hydrogenated castor oil, Methyl paraben, Phenoxy ethanol, Water

CHIFURE  
チフル

### **CHIFURE Massaging cream**

Mineral oil, Trioctanoin, Vaseline, Olive oil, Beewax, Cetyl alcohol, Microcrystalline wax, Dimethicone, Glycerin, 1,2-Hexanediol, **Trehalose**, Sodium hyaluronate, Glyceryl stearate (SE), Polysorbate 60, Methyl paraben, Ethyl paraben, Propyl paraben, Ethanol, Phenoxy ethanol, Tocopherol, BHT, Water

CHIFURE  
チフル



 美の追求は、尽きることがなくてよ。

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## Bihada Ichizoku Sheet Mask

「湧き出るうるおいサポテンエキス  
の巻」



ESTÉE LAUDER



### Perfectionist Correcting Concentrate by Estee Lauder

Their online shop clearly says that it has  
Trehalose in 'em but can't find the ingredient  
list ANYWHERE!!

Any info on it in Japan??



クリアクリン

KAO

Clear Clean



**Clear Clean plus**  
**Whitening Mouth wash Mint 600ml**



**Clear Clean plus**  
**Whitening Mouth wash 600ml**



**TPC AROMA TOOTHGEL 7P**  
set

**TPC Mouth wash MINT & ROSE**



MARUFUKU CLEANSER manufacture

## PT Freshener for clothes 400ml





**Orange Hand Soap 『除菌タイム』**  
300ml

**【Ingredients】**

water, DPG, coconut acid, maltitol, cocamidopropyl betaine, glycerin, ethanolamine, **TREHALOSE**, citrus aurantium dulcis (orange) oil, 0-cymen-5-OL, sphingolipids, quillaja saponaria extract, soyu ekisu (JTN), phospholipids, cocamide DEA, EDTA-4Na, BG, mentha arvensis oil (E)



**Orange dish detergent**

Timorre 300ml



再春館製薬所

Saishunkan pharmaceutical Co.

Domohorn  
Wrinkle

お肌づくりを楽しむ基礎化粧品  
ドモホルンリンクル

4 保湿液



Lotion

120mL / 約45~60日分  
5,250円 (税抜 5,000円)

7 保護乳液



Milky lotion

100mL / 約60日分  
5,250円 (税抜 5,000円)



## **MARY QUANT (Japan) Special Recipe Moisture Essence**



Water, Propylene glycol dicaprylate/ dicaprinate, Propylene glycol dipelargonate, caprylic/caprylic Triglyceride, Glyceryl stearate (SE), DPG, Pentylene glycol, Mineral oil, Squalene, Stearic acid, BG, Tocopherol, Tocopheryl acetate, Retinyl palmitate, Magnesium ascorbyl phosphate, Panax ginseng root extract, Peony root extract, Tea extract, Rosemary extract, Chamomile extract, Thyme extract, **Trehalose**, Arginine, Alanine, Threonine, EDTA-2Na, PCA - Na, PEG-100 Hydrogenated castor oil, PEG-60 Hydrogenated castor oil, TEA, ethanol, Ethyl paraben, (acrylic acid/acrylic acid alkyl (C10-30))) Co-polymer, Sodium citrate, Glycine, Glutaminic acid, Cholesterol, Dihydrothese-20, Dimethicone, Cetyl alcohol, Serine, Sorbitol, Soja (soybean) sterols, Triethylhexanoin, Palmitic acid, Phenoxy ethanol, Propyl paraben, Proline, Betaine, Whey protein, Polysorbate 65, Methyl paraben, Ricin, Hydrolized yeast, Fragrance, Hydrogenated lecithin

## **Estee Lauder Advanced Night Repair Eye Recovery**

Water, Dimethicone, Cyclomethicone, Bifidus ferment lysate, Polysilicone -11, isopentyl diol, sucrose, Vaseline, **Trehalose**, Polysorbate 40, Acrylamide/ sodium acryloyldimethyltaurate co-polymer, Jojoba alcohol, Jojoba esters, Isopropyl jojobate, ilohexadecane, Phenoxy ethanol, Soy bean extract, PEG/PPG-20/20 Dimethicone, BG, Methyl paraben, Yeast extract (acrylic acid/acrylic acid alkyl (C10-30)) Co-polymer, Caffeine, Polysorbate 80, Cholesterol, RNA - Na, Tocopheryl Acetate, BHT, Cholesterol, Squalene, Linoleic acid, Tromethamin, Hydrogenated lecithin, Potassium sulfate, Anthemis nobilis flower oil, Oleic acid, Barley extract, Linolenic acid, Triticum vulgare (wheat) germ oil, Sodium hyaluronate, Phytosphingosine, Iron oxide, PG, Morus nigra root extract, Scutellaria root extract, Betula alba bark extract, Algae extract, Vitis vinifera (grape) fruit extract, Poria cocos extract



## ESS Dual Whitening Concentrate

Water, Glycerin, BG, Methyl gluceth-10, Betaine, Sodium ascorbyl phosphate, foxberry extract, Magnesium ascorbyl phosphate, Saxifraga sarmentosa extract, Soy bean extract, Coix lachrymal extract, Morus alba root extract, (red) Rhodophyta extract, (brown) Phaeophyta algae extract, (green) Chlorophyta extract, Sodium lactate, Sodium hyaluronate, **Trehalose**, Aminocaproic acid, PCA-Na, Sorbitol, Glycine, Serine, Glutaminic acid, Ricin, Alanine, Arginine, Proline, Threonine, Daucus carota sativa (carrot) root extract, Glycolic acid, Citric acid, Sodium citrate, Ethanol



## AVANCE Eyelift Massage

Water, DPG, glycerin, BG, Denatured alcohol, Terminalia serisia extract, Daucus carota sativa (carrot) juice, Water-soluble collagen, **Trehalose**, Hydroxyethyl cellulose, Carbomer, Sodium polyacrylate, Potassium hydroxide, Citric acid, Sodium citrate, EDTA-2Na, Ethanol, Methyl paraben



WHITENING

## AYURA Whitening Essence Compact α 200

Cyclomethicone, Water, Polymethylsilsequioxane, Glycerin, Dimethicone co-polyol, DPG, Paraffin, Sorbitan Sequiisostearate, Microcrystalline wax, Euphorbia cerifera (candelilla) wax, Tocopheryl Acetate, **Trehalose**, Dipotassium glycyrrhizate, Melilotus officinalis extract, Ascorbyl glucoside, BG, Dimethicone, Alumina, Triethozycaprylylsilane, Distearylidmonium chloride, Palmitic acid, Tetrahydrotetramethyl cycloptetrasiloxane, Methicone, Tetradecene, Tocopherol, Isopropanol, Cellulose, Phenoxy ethanol, Methyl paraben, Titanium oxide, Iron oxide, Mica, Synthetic flourphlogopite

## WASH-OFF APPLICATIONS



### **IPSA Cleansing Milky Foam**

Water, Myristate, BG, Lauric acid, Potassium hydroxide, Distearate glycol, Sodium lauryl glycol carboxylate, Lauryl betaine, Sodium methyl cocoyl taurate, Polyquanterium-7, **Trehalose**, Lavender oil, Sodium hyaluronate, Lily extract, Chamomilla recutita (matricaria) flower extract, Sodium cocoamphoacetate, Hydroxypropylmethyl-cellulose, C12-14 Hydroxyalkyl maltitol ether, Orange oil, EDTA-3Na, Ethanol, Sodium methyl taurine, EDTA-2Na, Methyl paraben, Sodium benzoate, Propyl paraben



### **ESS Polyze Cleansing Mask**

Montmorillonite (bentonite), Solanum tuberosum (potato) starch, Cornstarch, Talc, PVP, Papaya, Papain, Hydrolyzed albumen, Lactose, **Trehalose**, Squalene, Ascorbic acid, Morus alba root extract, BG, Water, Fragrance



### **CHIFURE Moisture Cleansing Cream N**

Mineral oil, Trioctanoin, Beeswax, Paraffin, Cetyl alcohol, Vaseline, Dimethicone, Glycerin, **Trehalose**, Polysorbate 60, Stearic acid sorbitan, Methyl paraben, Propyl paraben, Ethanol, Tocopherol, BHT, Water

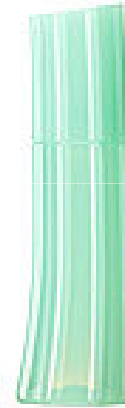


### **AYURA night intense mask**

Water, Glycerin, DPG, Phenyl trimethicone, BG, Ethanol, **Trehalose**, PEG-6, PEG-32, PEG-60 Hydrogenated castor oil, Xanthan gum, Squalene, Angelica acutiloba root extract, Rose canina fruit extract, Aminoethanesulfonic acid, **Glucosyl Hesperidin**, Prunus persica (peach) kernel extract, Bupleurum falcatum root extract, Nelumbo nusifera germ extract, Polyvinyl alcohol, Sodium citrate, Carbomer, PEG-10 Dimethicone, Potassium hydroxide, Citric acid, EDTA-3Na, Tocopherol, Phenoxy ethanol, Fragrance

### **AYURA aroma scalp serum**

Ethanol, Water, DPG, PEG-60 Hydrogenated castor oil, Menthol, Sugar cane extract, **Glucosyl Hesperidin**, Peony root extract, Coriander fruit extract, Prunus persica (peach) kernel extract, Nelumbo nusifera germ extract, Glycerin, (dimethylacrylic amide/ sodium acrylyl dimethyl taurine) cross polymer, Trioctanoin, BG, Malic acid, Benzoic acid, Fragrance



### **AYURA lift focus milky lotion**

Water, Cyclomethicone, Glycerin, Trimethylsiloxysilicate, BG, DPG, tetra-(dipentaerythryl/ hexaoctanoate/ hexabehenate), PEG-10 Dimethicone, Cetyl ethylhexanoate, Maltitol, Squalene, Triisostearin, Silicic acid (Al/Mg), Menthol, Rose canina fruit extract, Aminoethanesulfonic acid, **Glucosyl Hesperidin**, Hypericum erectum extract, Prunus persica (peach) kernel extract, Ononis extract, Nelumbo nusifera germ extract, Isostearic acid, Polymethylsilsequioxane, Distearyldimonium chloride, Ethanol, Sodium citrate, EDTA-3Na, Isopropanol, Tocopherol, Phenoxy ethanol

Elizabeth Arden

DERMATECHNOLOGY DIVISION



### **Prevage Anti-Aging Night Cream** by *Elizabeth Arden*

Water (Aqua), Cyclopentasiloxane, Butyrospermum Parkii (Shea Butter), Glycerin, Peg-8 Dimethicone, Butylene Glycol, Cetearyl Glucoside, Theobroma Cacao (Cocoa) Seed Butter, Dimethicone, Phytosteryl Macadamiate, Dimethicone/Vinyl Dimethicone Crosspolymer, Butyrospermum Parkii (Shea Butter) Extract, Ppg-2 Isoceteth-20 Acetate, Dipentaerythrityl Hexacaprylate/Hexacaprate, Tridecyl Trimellitate, Hydroxydecyl Ubiquinone, Hydroxypinacolone Retinoate, Lactobacillus/Citrus Medica Limonum (Lemon) Peel Ferment Extract, Solanum Lycopersicum (Tomato) Fruit Extract, Sodium Hyaluronate, Lactic Acid, Tocopheryl Acetate, Caprylyl Methicone, Cetyl Palmitate, Squalane, Stearoxymethicone/Dimethicone Copolymer, C12-15 Alkyl Benzoate, Glyceryl Stearate, Hydrogenated Polydecene, Neopentyl Glycol Dicaprylate/Dicaprate, Tridecyl Stearate, Propylene Glycol, Sodium Pca, **Trehalose**, Urea, Hydrogenated Lecithin, Phospholipids, Polyphosphorylcholine Glycol Acrylate, Sucrose, Cetearyl Alcohol, PEG-100 Stearate, Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Polysorbate 60, Sodium Laureth Sulfate, Dimethyl Isosorbide, Polyquaternium-51, Peg-8, Carbomer, Xanthan Gum, Sodium Hydroxide, Disodium Edta, Tetrasodium Edta, Mica, Dimethiconol, Phenyl Trimethicone, Parfum/Fragrance, Alpha-Isomethyl Ionone, Linalool, Benzoic Acid, Butylparaben, Ethylparaben, Isobutylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Chlorphenesin, Iron Oxides (Ci 77492), Red 4 (Ci 14700), Titanium Dioxide (Ci 77891), Yellow 5 (Ci 19140)



### **All Soft- Conditioner** by REDKEN

Water (Aqua), Behenalkonium Chloride, Glycerin, Cetearyl Alcohol, Propylene Glycol, Ceteth-3 Acetate, Cyclopentasiloxane, Cetyl Alcohol, PEG-100 Stearate, Glyceryl Stearate, Fragrance, Phenoxyethanol, Cetrimeronium Chloride, Dimethicone, Guar Hydroxypropyltrimonium Chloride, PPG-5 Ceteth -10, Methylparaben, Ethylparaben, Propylparaben, Disodium EDTA, Taurine, Oleth 10, Disodium Cocamidopropionate, Lecithin, Phosphoric Acid, Wheat Amino Acids, Hydrolyzed Soy Protein, Avocado/Persea Gratissima, Hydroxypropyl Trimonium Hydrolyzed Wheat Protein, **Trehalose**, Arginine HCl, Orange No. 4 (CI 15510), Yellow No. 5 (CI 19140)



### **All Soft- Heavy Cream Treatment** by REDKEN

Water, Cetyl Alcohol, Behentrimonium Chloride, Glycerin, Cyclopentasiloxane, Dimethicone, PEG-40 Hydrogenated Castor Oil, PEG-100 Stearate, Glyceryl Stearate, Guar Hydroxypropyltrimonium Chloride, Fragrance, Methylparaben, Taurine, Laureth 23, Laureth 4, Chlorhexidine Dihydrochloride, Hydroxypropyl Trimonium Hydrolyzed Wheat Protein, PPG-5-Ceteth-20, Wheat Amino Acids, Hydrolyzed Soy Protein, Oleth 10, Disodium Cocoamidopropionate, Lecithin, Phosphoric Acid, Avocado Oil, **Trehalose**, Arginine HCl, Phenoxyethanol, Ethylparaben



### **All Soft- Shampoo** by REDKEN

Water (aqua), Sodium Laureth Sulfate, Disodium Cocoamphodiacetate, Dimethicone, Cetyl Alcohol, Hydroxystearyl Cetyl Ether, Sodium Cetearyl Sulfate, Cocamide MIPA, Fragrance (Parfum), Citric Acid, DMDM Hydantoin, Guar Hydroxypropyltrimonium Chloride, Butylparaben, Disodium EDTA, Propylene Glycol, Taurine, Hydrolyzed Wheat Protein, Iodopropynyl Butylcarbamate, PPG-5-Ceteth-20, Wheat Amino Acids, Hydrolyzed Soy Protein, Oleth 10, Disodium Cocoamphodipropionate, Lecithin, Hydrolyzed Wheat Starch, Hydroxypropyl Trimonium Hydrolyzed Wheat Protein, Phosphoric Acid, **Trehalose**, Arginine HCl, Persea Gratissima Oil (Avocado), Phenoxyethanol, Orange 4/CI 15510, Methylparaben, Ethylparaben, Red 33 CI 17200 (D643/3)



### **Extreme- Anti-Snap Leave-in Treatment** by REDKEN

Water (aqua), Cyclopentasiloxane, Phenoxyethanol, Polyacrylamide, Dimethiconol, C13-14 Isoparaffin, Laureth 23, Laureth 4, Laureth 7, Methylparaben, Disodium EDTA, Ethylparaben, PPG-5-Ceteth-20, Hydrolyzed Soy Protein, Wheat Amino Acids, Arginine HCl, Taurine, Oleth 10, Disodium Cocoamphodipropionate, Lecithin, Hydroxypropyl Trimonium Hydrolyzed Wheat Protein, Phosphoric Acid, 2 Oleamido 1, 3 Octadecanediol, **Trehalose**



### **Extreme- Conditioner** by REDKEN

Water (Aqua), Cetearyl Alcohol, Cyclopentasiloxane, Stearalkonium Chloride, Isostearyl Alcohol, Phenoxyethanol, Guar Hydroxypropyltrimonium Chloride, Dimethicone, PEG-100 Stearate, Glyceryl Stearate, Fragrance (Parfum), Cetyl Alcohol, Hydrolyzed Wheat Protein, Methylparaben, Ethylparaben, Propylparaben, Arginine HCl, Disodium EDTA, Taurine, Behentrimonium Methosulfate, Quaternium 33, PPG-5-Ceteth-20, Hydrolyzed Wheat Starch, Oleth 10, Disodium Cocoamphodipropionate, Lecithin, Phosphoric Acid, **Trehalose**, 3 Octadecanediol (D4194/1)



### **Extreme- Shampoo** by REDKEN

Water Aqua, TEA-Lauryl Sulfate, Cocamide MIPA, Carbomer, Fragrance Parfum, Sodium Lactate, Cetyl Alcohol, Guar Hydroxypropyltrimonium Chloride, Hydroxystearyl Cetyl Ether, Salicylic Acid, Benzoic Acid, Linoleamidopropyl PG-Dimonium Chloride Phosphate D, Methylparaben, Propylene Glycol, Butylparaben, Ethylparaben, Hydrolyzed Wheat Protein, Lactic Acid, Isobutylparaben, Propylparaben, PPG-5-Ceteth-20, Arginine HCl, Taurine, Oleth-10, Disodium Cocoamphodipropionate, Lecithin, Hydrolyzed Wheat Starch, Behentrimonium Methosulfate, Phosphoric Acid, **Trehalose**, 2 - Oleamido - 1 3 - Octadecanediol, Quaternium - 33, Phenoxyethanol

**Color Extend- Total Recharge**  
by REDKEN

Water/Aqua, Quaternium-87, Stearyl Alcohol, Amodimethicone, Behentrimonium Chloride, 2-Oleamido-1, 3-Octadecanediol, Fragrance/Parfum, Polysorbate 20, Cii-15 Pareth-7, Methylparaben, C12-16 Pareth-9, Glycerin, Trideceth-12, Taurine, Ethylhexyl Methoxycinnamate, Hydroxypropyltrimonium Hydrolyzed Wheat Protein, Phenoxyethanol, Chlorhexidine Dihydrochloride, PPG-5Ceteth-20, Magnesium Acetate, Oleth-10, Disodium Cocoamphodipropionate, Aspartic Acid, Glycine, Lecithin, Arginine, Glutamic Acid, Ethylparaben, Phosphoric Acid, **Trehalose**, Tocopherol, Ethylhexyl Salicylate (D1616/2)



**Color Extend- Shampoo** by REDKEN

Water (Aqua), Sodium Laureth Sulfate, Cocamidopropyl Betaine, Disodium Cocamphodipropionate, Phosphoric Acid, Phenoxyethanol, PPG5 Ceteth 10 Phosphate, Fragrance, Sodium Chloride, Methylparaben, Ethylparaben, Disodium EDTA, Arginine HCl, Taurine, Polyquaternium 10, Hydroxypropyl Hydrolzed Soy Protein, PPG-5 Ceteth-10 Phosphate, Wheat Amino Acids, Oleth 10, Lecithin, **Trehalose**, Tocopherol, Octyl Salicylate (D108/1)



**Color Extend- Conditioner** by REDKEN

Water/Aqua, Cetearyl Alcohol, Dimethincone, Propylene Glycol, Ceteth-3 Acetate, Behentrimonium Chloride, Hydroxyethylcellulose, Phenoxyethanol, Fragrance (Parfum), Disodium EDTA, Sodium Citrate, Arginine HCl, Taurine, Ethylhexyl Methoxycinnamate, PPG-5-Ceteth-20, Wheat Amino Acids, Hydrolyzed Soy Protein, Oleth 10, Disodium Cocoamphodipropionate, Lecithin, Hydroxypropyl Trimonium Hydrolyzed Wheat Protein, Phosphoric Acid, **Trehalose**, Tocopherol, Ethylhexyl Salicylate



### **Day Cream** by *revaléskin*

Water (Aqua), Glycerin, PPG-3 Benzyl Ether Myristate, Isononyl Isononanoate, Pentylene Glycol, Stearic Acid, Cyclopentasiloxane And Cyclohexasiloxane, Dimethicone/Vinyl Dimethicone Crosspolymer, Silica, Glycine Soja (Soybean) Protein, Oxido Reductases, Coffee Arabica (Coffee) Seed Extract, Stearyl Alcohol, Sodium PCA, Urea, **Trehalose**, Sodium Hyaluronate, Tocopheryl Acetate, Glycosphingolipids, Phospholipids, Cholesterol, Hydrogenated Polyisobutene, Polybutene, Caprylic/Capric Triglyceride, Citrus Grandis (Grapefruit) Fruit Extract, Sodium Polyacrylate, Steareth-2, Oleth-20, Triethanolamine, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Carbomer, Polysorbate 80, Polyquaternium-51, Disodium EDTA, Phenoxyethanol, Ethylhexylglycerin, Green 3 (CI 42053), Yellow 5 (CI 19140)



### **Night Cream** by *revaléskin*

Aqua Glycerin, C12-15 Alkly Benzoate, Cyclomethicone, Cetly Ricinoleate, Cetearyl Glucoside, Pentylene Glycol, Hydrogenated Polydecene, Coffee Arabica (Coffee) Seed Extract, Dimethicone, Ceresin, Glyceryl Stearate, PEG-100 Stearate, Sodium PCA, Urea, **Trehalose**, Sodium Hyaluronate, Tocopheryl Acetate, Glycosphingolipids, Phospholipids, Cholesterol, Panthenol, Polyisobutene, Caprylic/Capric Triglyceride, Citrus Grandis (Grapefruit) Fruit Extract, Silica, Alumina, Steareth-10, Steareth-2, Triethanolamine, Polyacrylate-13, Magnesium Aluminum Silicate, Xanthan Gum, Polysorbate 20, Polyquaternium-51, Disodium EDTA, Phenoxyethanol, Ethylhexylglycerin, Methylparaben, Propylparaben, CI 77891, CI 42090, CI 42053, CI 19140



**Hydra-Pure Intense Moisture Cream** by MD skincare

Water Purified, Cyclomethicone, Glycerin, Butylene Glycol, Dimethicone, PEG 12 Dimethicone, Stearyl Alcohol, Glyceryl Stearate, PEG 100 Stearate, Isostearyl Linoleate, Magnesium Aluminum Silicate, Cetearyl EthylHexanoate, Caprylic/ Capric Triglyceride, Hectorite, Olea Europaea Leaf Extract (Olive), Oenothera Biennis Oil (Evening Primrose), Sodium Hyaluronate, Tocopheryl Acetate, Ascorbyl Palmitate, Retinyl Palmitate, Phospholipids, Ubiquinone, Palmitoyl Tetrapeptide 3, Squalane, Lavandula Angustifolia Oil (Lavender), Sodium PCA, Prunus Amygdalus Dulcis Oil (Sweet Almond), Ceramide 2, Carbomer, Polysorbate 20, Urea, Cyclodextrin, Phytic Acid, **Trehalose**, DNA, Polyquaternium 51, Propylene Glycol, DEA Cetyl Phosphate, Diazolidinyl Urea, Methylparaben, Propylparaben, Potassium Citrate, Potassium Gluconate, Magnesium Gluconate, Tetrasodium EDTA, Sodium Etidronate, Penta Sodium Pentetate



**Hydrating B5 Masque** by SKINCEUTICALS

740048 4-Aqua/Water/Eau, Glycerin, Triethanolamine, Carbomer, Sodium Hyaluronate, Phenoxyethanol, Calcium Pantothenate, Sodium Benzoate, Panthenol, Sodium PCA, Urea, Disodium EDTA, **Trehalose**, Polyquaternium-51, D26656/2



**Hydra-Pure Intense Moisture Cream** by DHC

Water, Butylene Glycol, Glycerin, **Trehalose**, Sodium Hyaluronate, Hydrolyzed Elastin, Glycine Soja (soybean) protein, Natto Gum, Placental Protein, Allantoin, Dipotassium Glycyrrhizate, Potassium DNA, Methylparaben

