



## **Connecting for innovation**

### **Sharon Personal Care**

is a global supplier of ingredient solutions for a broad range of personal care products – including advanced preservative systems, formulation building blocks, functional ingredients and Bio-actives.

### Deep Scientific Knowledge

Our R&D team of specialists are always thinking ahead, searching for the most effective solutions, surprising the cosmetics industry with exciting product lines, based on our deep scientific knowledge and our ability to foresee future trends and industry needs.

### The research behind

A deep knowledge of the epidermis, its physiology and all related neuro-cosmetic implications are the starting point for Sharon Personal Care's R&D to research and design new active ingredients. We are bringing the best ideas from nature, without compromising on efficacy and safety.

### **Cell Carrier Technology**

A new high-tech know-how for the development of targeted delivery systems to optimise the efficacy of active ingredients. A deep understanding of skin physiology and of the biochemistry behind actives

### **Proven efficacy**

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We place great emphasis on the testing phase, which is carried out by accredited external laboratories. The choice of tests used to define the efficacy of the active ingredients is a crucial phase that involves technical marketing and research, with the aim of identifying those claims that are most sought after by the current cosmetics market.

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Water-based process technology able to get oleosomes from oilseed

### 

Sericin re-booting through a sustainability process



### PANTROFINA High-Performance active ingredients

| Code & Trade Name   | INCI  | Characteristics  | Application   |
|---|---|--|---|
| BC500548<br>PANTROFINA<br>DIMIN RG                          | Glycerin, Hydrolyzed Gly-<br>cosaminoglycans,<br>Rheum Palmatum Root<br>Extract<br>Aspect: water soluble liquid   | Based on Cell Carrier Technolo-<br>gy, Pantrofina Adimin RG com-<br>bines rhubarb extract with a de-<br>livery system selected to reach<br>the deepest layers of the epider-<br>mis, inhibiting lipogenesis and<br>stimulating lipolysis by breaking<br>down stored triglycerides:<br>• Slimming   | Body care<br>Tested: 2%<br>In vitro tested<br>In vivo tested  |
| BC600624<br>PANTROFINA<br>EYELIGHT BH                       | Adansonia digitata seed<br>oil, Helianthus Annuus<br>(Sunflower)<br>Seed Oil, Helichrysum<br>Angustifolium flower<br>extract, Brassica Oleracea<br>Italica (Broccoli)<br>sprout extract<br>Aspect: oil soluble liquid | A botanical complex, rich in Vi-<br>tamines and antioxidants able<br>to fight the causes of puffiness<br>and dark circles, working on<br>the activation of blood- clotting<br>proteins<br>Function:<br>• Anti dark circles<br>• Anti eye bags  | Skin care<br>Eye care<br>Tested: 2%<br>In vivo tested   |
| BC600607<br>PANTROFINA<br>GANOTHER<br>Wegan Vegan Palm free | Glycerin, Water,<br>Ganoderma Lucidum<br>(Mushroom)<br>Mycelium Ferment Filtrate<br>Aspect: water soluble liquid  | <ul> <li>Phytocomplex based on the "the mushroom of immortality", containing a high amount of ganoderic acid. It works on scalp hair cells reducing hair loss and stimulating the cellular renewing.</li> <li>Long lasting anagen phase</li> <li>Healthy hair</li> <li>Hair strength improvement</li> <li>Hair fall prevention.</li> </ul> | Scalp care<br>Hair care<br>Tested: 2%<br>In vitro tested<br>In vivo tested<br>China approved ver-<br>sion available         |
| M1680<br>PANTROFINA<br>HAIR THERAPY                         | Tussilago Farfara Extract,<br>Achillea Millefolium Extract,<br>Cinchona<br>Succirubra Extract, Sodium<br>Benzoate, Potassium Sorbate<br>Aspect: water soluble liquid  | Complex of water-soluble plant<br>extracts whose combined action<br>helps to reduce hair loss. For<br>the health and wellbeing of the<br>scalp.<br>• Anti-Hair Loss<br>• Anti-itching  | Scalp care<br>Hair care<br>In vitro tested<br>In vivo tested<br>Tested: 10%   |
| BC600427<br>PANTROFINA<br>HYDRAFEEL 3                       | Polyglyceryl-3 PCA<br>Aspect: water soluble<br>viscous fluid  | Texturizing and protective ac-<br>tive ingredient for<br>hair care, skin care and make<br>up application. Thanks to its<br>film-forming properties it shows<br>several benefits:<br>• Counteraction of TEWL<br>• Improvement long lasting hair<br>color (in hair dye treatment)<br>• Skin feel improvement                                 | Skin care<br>Sun care<br>Hair care<br>Make up<br>In vivo tested<br>Tested: 0.2%/1%<br>China approved ver-<br>sion available |

## PANTROFINA®

Taking the best of nature, enhancing it and using it to create beauty, Pantrofina is our range of high performance actives with clinically proven efficacy.

PANTROFINA

PANTROFINA



### PANTROFINA High-Performance active ingredients

| Code & Trade Name                    | INCI   | Characteristics  | Application  |
|--------------------------------------|--|--|--|
| BC500554<br>PANTROFINA<br>J-GRAVITY  | Lavandula Hybrida Oil,<br>Camellia Sinensis Extract<br>Aspect: liposoluble liquid  | A combination of bancha tea<br>flavonoids and the Cell-Carrier<br>Technology of lavender EO to<br>combact the effects of gravity:<br>• Anti sagging<br>• Face-contour redefying<br>• Anti wrinkle  | Skin care<br>In vivo tested<br>Tested: 1%  |
| P0704<br>PANTROFINA<br>PERFECTION    | Ammonium Glycyr-<br>rhizinate, Mannitol, Argi-<br>nine, Niacinamide, Calcium<br>Pantothenate, Faex Extract,<br>Allantoin, Threonine, Biotin<br>Aspect: water soluble<br>powder | Complex of essential micro-<br>nutrients with a bio-modulating<br>effect that stimulates metabolic<br>activity of fibroblasts and<br>promotes skin elasticity.<br>• Increasing skin elasticity<br>• Reducing hair loss<br>• Respecting skin microbiome<br>• Boosting cellular activity | Scalp care<br>Hair care<br>Skin care<br>In vitro tested<br>In vivo tested<br>Tested: 1,25% |
| P0703<br>PANTROFINA<br>REMEDY        | Propylene Glycol, Unde-<br>cylenic Acid, Arginine,<br>Salicylic Acid, Aqua<br>Aspect: clear water<br>-soluble liquid   | Active complex with a proven<br>anti-dandruff and anti-itch<br>activity<br>• Anti dandruff<br>• Anti itching<br>• Preservative booster   | Scalp care<br>Hair care<br>Skin care<br>In vitro tested<br>In vivo tested<br>Tested: 1%    |
| P0730<br>PANTROFINA<br>RESHAPE       | Garcinia Cambogia Fruit<br>Extract, Arginine, Escin,<br>Glutamine, Aqua<br>Aspect: hydro soluble liquid  | Caffeine-free slimming and anti-<br>cellulite botanical active ingredi-<br>ent based on Garcinia Cambogia<br>fruit extract, escin and amino<br>acid complex<br>• Slimming<br>• Anticellulite<br>• Firming  | Body care<br>In vitro tested<br>In vivo tested<br>Tested 4 %                               |
| PO712MB<br>PANTROFINA<br>SKIN 360 MB | Diglycerin, Pinus Pinaster<br>Extract<br>Aspect: hydro soluble liquid  | Botanical Active ingredient<br>obtained from the bark of Mar-<br>itime Pine. Effective antipollu-<br>tion agent, it is a potent soothing<br>active and radical scavenger too,<br>specific for photoageing preven-<br>tion.<br>• Anti-pollution<br>• Soothing<br>• Antioxidant          | Skin care<br>In vitro tested<br>In vivo tested<br>Tested: 1%                               |
| E0605<br>PANTROFINA<br>SKIN DNA      | Lecithin, Rutin<br>Aspect: hydro soluble<br>powder   | A complex of Rutin, a derivative<br>saponin extracted from the Ruta<br>graveolens L., and a skin identi-<br>cal phospholipid that enhances<br>the delivery through a carrier<br>effect<br>• Anti-ageing<br>• Anti-oxidant<br>• DNA protection  | Skin care<br>In vitro tested<br>In vivo tested<br>Tested: 2%                               |

**SHARODERM** 

**SHARODERM** 

SHARODERM

# SHARODERM

For a safe and effective dermaceutical offering, our Sharoderm range contains bio-technological ingredients suitable for all cosmetic applications.

**SHARODERM** 



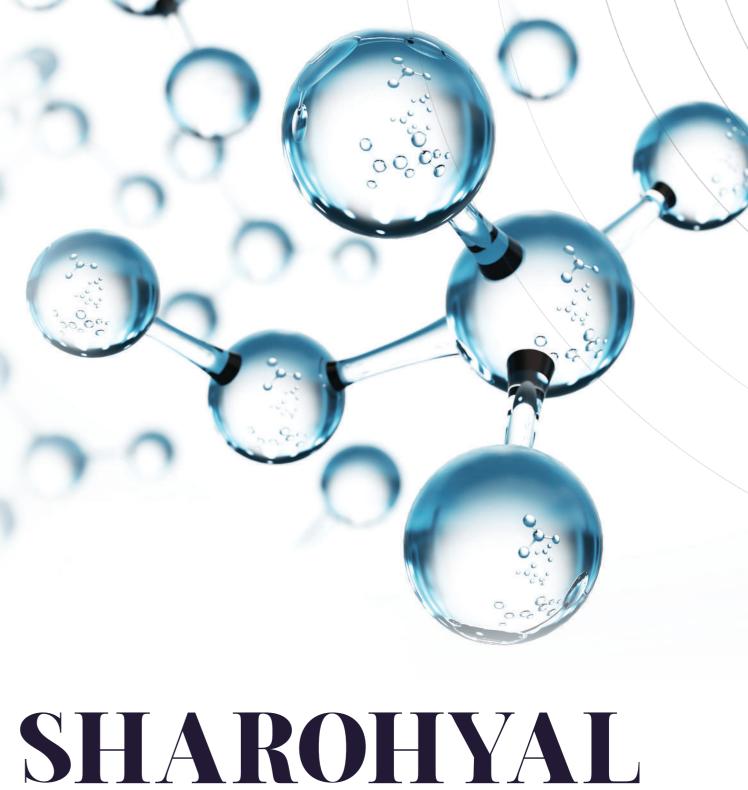
### SHARODERM – Bio-tech Actives Line

### SHARODERM – Bio-tech Actives Line

| Code & Trade Name  | INCI  | Characteristics   | Application  | Code & Trade Name                          | INCI  | Characteristics  | Application   |
|--|---|---|--|--|---|--|---|
| BC600537<br>SHARODERM<br>AFA GS<br>Vegan Palm free Cosmos  | Glycerin, Aqua, Sucrose,<br>Aphanizomenon<br>Flos Aquae (AFA) powder<br>Aspect:<br>Hydro soluble liquid           | Rich in vitamins, essential<br>aminoacids, Omega-3 and fatty<br>acids, AFA-GS is able to bond a<br>high amount of water fostering a<br>deep skin hydration. | Skin care<br>Body care<br>Use level:<br>1% - 3%<br>China approved version<br>available | E0606<br>SHARODERM<br>EDEMINE              | Escin, Lecithin<br>Aspect:<br>liposoluble powder  | A phospholipidic complex of<br>Escin derived from aesculus<br>hippocastanum, being effective<br>against cellulite and oedema. It<br>improves the trans-epidermal<br>permeability of Escin and its skin<br>tolerability as well | Body care<br>Skin care<br>In vitro tested<br>In vivo tested<br>Use level:<br>0,5%               |
| P0701<br>SHARODERM<br>BETA<br>IECIC<br>Listed<br>Palm free | Stearyl Glycyrrhizinate<br>Aspect:<br>Liposoluble powder  | Liposoluble cosmetic active<br>ingredient with efficient skin<br>soothing and anti-reddening<br>properties.   | Skin care<br>Scalp care<br>Use level<br>0,3-3%   | H0151<br>SHARODERM<br>HYDRO-K              | Galactosyl-fructose, Leci-<br>thin<br>Aspect: hydro soluble<br>powder   | A phospholipidic complex based<br>on Galactosyl-Fructose, a sugar<br>that delivers superior moistur-<br>ization and skin elasticity.   | Skin care<br>In vivo tested<br>Use level:<br>2%   |
| BC600304<br>SHARODERM<br>CARNOXYN                          | Aqua, Carnitine fumarate,<br>Sodium<br>pyruvate, Succinic acid,<br>Citric acid<br>Aspect:<br>Hydro soluble liquid | Bio-technological active, able<br>to stimulate skin cells metab-<br>olism, improving tonification<br>of skin.   | Skin care<br>Body care<br>Use level:<br>1% – 5%  | P0710 NC<br>SHARODERM<br>HVP               | Aqua, Hydrolyzed Wheat<br>Protein,<br>Benzyl Alcohol, Sodium<br>Benzoate,<br>Potassium Benzoate<br>Aspect: hydro soluble liquid | Wheat proteins' hydro-soluble<br>derivative with moisturizing,<br>softening and substantive<br>properties.   | Skin care<br>Hair care<br>Use level :<br>1-3% skin care<br>5-10% haircare                       |
| ROO76MB<br>SHARODERM<br>DGL MB                             | Diglycerin, Glucose<br>Aspect: hydro soluble liquid   | Humectant with moisturizing and softening properties.   | Skin care<br>Scalp care<br>Hair care<br>Use level:<br>2 -4 %                           | L0220/NC<br>SHARODERM<br>LACTIL GLUTAMMATO | Glycerin, Sorbitol, Sodium<br>PCA, Sodium Lactate,<br>Aqua, Caprylyl Glycol<br>Aspect: hydro soluble liquid                     | A balanced moisturizing com-<br>plex, with high water-binding<br>properties. It delivers intense<br>moisturization after 5 minutes<br>from application, assessed by<br>in-vivo studies.  | Skin care<br>Hair care<br>In vivo tested<br>In vitro tested<br>Use level:<br>5%                 |
| ROO81MB<br>SHARODERM DN<br>MB                              | Diglycerin<br>Aspect: Hydro soluble liquid  | Ether from glycerol with moisturiz-<br>ing and co-solvent properties.   | Skin care<br>Scalp care<br>Hair care<br>Use level:<br>3%                               | BC600278<br>SHARODERM<br>NICOMENT          | Menthyl nicotinate, Men-<br>thol<br>Aspect: liposoluble powder  | Obtained from natural sources,<br>it combines stimulating proper-<br>ties of nicotinic acid and refresh-<br>ing natural menthol, offering<br>wellness treatment by a simulta-<br>neous "hot-cold" effect.                      | Body care<br>In vivo tested<br>Use level:<br>0,5% – 2%<br>China approved ver-<br>sion available |

### SHARODERM – Bio-tech Actives Line

| Code & Trade Name                   | INCI   | Characteristics   | Application  |
|-------------------------------------|--|---|--|
| P0700 NC<br>SHARODERM<br>NMF        | Aqua, Sodium Pca, Mel / Honey,<br>Urea, Glucose, Fructose, Pentylene<br>Glycol, Citric Acid, Glycine, Acetyl<br>Glucosamine,<br>Glucuronolactone, Lisine Hydrocloride,<br>Hydrolyzed Collagen, Propylene Glycol<br>Aspect: hydro soluble liquid  | Balanced moistur-<br>izing complex that<br>mimics the natural<br>moisturizing factor<br>(NMF).  | Skin care<br>Use level:<br>1% - 5%                                       |
| BC600330<br>SHARODERM<br>TARCHOPLUS | Dicaprylyl ether, Tarchonantus<br>camphoratus oil, 4-Terpineol,<br>Helichrysum angustifolium flower<br>Extract<br>Aspect: liposoluble oil  | A special mixture of<br>botanical liposoluble<br>extracts with anti-ede-<br>ma and anti<br>inflammatory action,<br>improving sport per-<br>formance.              | Body care<br>In vitro tested<br>Use level:<br>2% – 4%                    |
| BC600293<br>SHARODERM<br>TARCONOL   | Dicaprylyl ether, Tarchonantus<br>Camphoratus oil, 4-Terpineol,<br>Melia Azadiracta seed oil, Pelargonium<br>Graveolens flower oil<br>Aspect: liposoluble oil  | The power of essen-<br>tial oils, against mos-<br>quitoes and other<br>insects. The special<br>botanical mixtures<br>has also soothing ef-<br>fect on human skin. | Body care<br>Use level:<br>2% – 4%                                       |
| T2266<br>SHARODERM<br>TRICO DEFENCE | Aqua, Hydrolyzed Wheat Protein, Sodi-<br>um Chondroitin Sulfate, Glycosamino-<br>glycans, Sodium Chloride, Triticum<br>Vulgare Germ Extract, Dna, Triticum<br>Vulgare Germ Protein, Benzoic Acid, De-<br>hydroacetic Acid, Sodium Hyaluronate,<br>Ethylhexylglycerin<br>Aspect: hydro soluble liquid | DNA-Mucopolisac-<br>caride active com-<br>plex for hair-beauty<br>routine, scalp revi-<br>talizer, anti hair loss.  | Hair care<br>Scalp care<br>Use level:<br>1- 5 %                          |
| RV1302C<br>SHARODERM<br>WHITE GT    | Methyl Dihydroxybenzoate,<br>Hydrolyzed Glycosaminoglycans<br>Aspect: Off white powder   | Bio-technological<br>complex, derived<br>from gentian, with<br>skin whitening activ-<br>ity by inhibition of<br>melanogenesis and<br>low cytotoxicity.            | Skin care<br>In vitro tested<br>In vivo tested<br>Use level:<br>0,5 – 2% |



Deep skin activators. A range of actives based on the combination of vegetal origin hydrolysed glycosaminoglycans (GAG) and active molecules to improve the bioavailability and cosmetic activity.

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### SHAROHYAL – HYALURONIC LINE

### SHAROHYAL – HYALURONIC LINE

| Code & Trade Name   | INCI  | Characteristics   | Application   | Code & Trade Name  | INCI   |   |
|---|---|---|---|--|--|---|
| BC600262<br>SHAROHYAL<br>GLYCACID ECO<br>Vegan Palm free CCC Coston | Glycerin, Hydrolyzed gly-<br>cosaminoglycans<br>Aspect: Hydro soluble liquid  | Precursor of mucopolysaccharides<br>with a high concentration of hyal-<br>uronic acid monomer. Their small<br>molecular size enhances skin pene-<br>tration, improving efficacy of active<br>ingredients.<br>• Hydrating  | Hair care<br>Skin care<br>Body care<br>In vitro tested<br>In vivo tested<br>Use level:<br>0,5% – 5% | $\begin{array}{l} BC600277\\ SHAROHYAL\\ OLIGO\\ \hline \\ \hline \\ Vean \end{array} \begin{array}{l}  \\ Palm free \end{array} \begin{array}{l}  \\ Cell Carrier \\ Cell Carrier \\ \hline \\ Cell Carrier \\ \hline \\ Cell Carrier \\ \hline \\ \end{array}$ | Aqua, Glycerin, Tremella<br>fuciformis<br>(Mushroom) Extract, Lenti-<br>nus edodes<br>Extract, Copper PCA, Zinc<br>PCA<br>Aspect: Hydro soluble liquid | Olig<br>of P<br>(PC,<br>glyc<br>bett<br>• Se<br>• Sk  |
| BC600294<br>SHAROHYALLW<br>Ver Palmfre Palmfre Cised Octower<br>Del Cised Cosmos Celcarrer  | Glycerin, Hydrolyzed gly-<br>cosaminoglycans,<br>Hyaluronic Acid<br>Aspect: Hydro soluble liquid  | Precursor of mucopolysaccharides<br>associated with a<br>high percentage of low molecular<br>weight Hyaluronic Acid promoting<br>skin penetration<br>• Hydrating<br>• Anti-wrinkle<br>• Elasticing  | Skin care<br>In vitro tested<br>In vivo tested<br>Use level<br>0,5% – 5%                            | <section-header></section-header>  | Water, Sodium Hyaluronate<br>Crosspolymer<br>Aspect: viscous hydro solu-<br>ble liquid   | Cros<br>can<br>and<br>cons<br>The<br>ti-w<br>tone<br>• W<br>• W<br>• M<br>• M<br>• Sk<br>• Ar |
| BC600536<br>SHAROHYAL<br>SNAIL VEG<br>Vegan Palm free LCIC COSMOS Cell Carrier  | Aqua, Glycoprotein, Glyc-<br>erin,<br>Sodium Hyaluronate,<br>Hydrolyzed<br>Glycosaminglycans, Copper<br>Gluconate, Sodium PCA<br>Aspect: Hydro soluble liquid | Mucopolysaccharides's<br>complex containing the same range<br>of hyaluronic acids' molecular<br>weight found into snail slime, show-<br>ing same healing properties<br>• Anti-inflamatory<br>• Anti-stretch mark  | Skin care<br>Body care<br>In vitro tested<br>In vivo tested<br>Use level<br>0,6% - 3%               | BC500032<br>SHAROHYAL<br>MOIST PHA<br>Pim free LCIC<br>Listed  | Water, Mandelic Acid,<br>Gluconolactone,<br>Lactobionic Acid, Sodium<br>Hyaluronate Crosspolymer<br>Aspect: viscous hydro solu-<br>ble liquid          | Com<br>hyal<br>impi<br>• Sk<br>• Sk<br>• Ar   |
| BC601016<br>SHAROHYAL<br>XANTINE<br>Vegar Palm free Costas Costas<br>Palm free Costas Costas Costas   | Glycerin, Aqua, Hydrolyz-<br>ed Glycosaminoglycans,<br>Caffein, Theobromin<br>Aspect: Hydro soluble liquid  | Water soluble compounds based on<br>xanthines (caffeine,<br>theobromine) and hydrolysed gly-<br>cosaminoglycans (HGAG), which<br>improve the solubility of xanthines<br>and increase their efficacy.<br>For the cosmetic treatment of lo-<br>calised adiposity.<br>• Slimming | Body care<br>In vivo tested<br>Use level<br>0,5% - 5%<br>China approved<br>version available        | $\begin{array}{l} BC600408\\ SHAROHYAL\\ MARINE\\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$  | Aqua, Glycerin, Macrocistys<br>Pyryfera extract,<br>Hyaluronic Acid<br>Aspect: Hydro soluble liquid  | A sy<br>of M<br>sacc<br>weig<br>the u<br>and<br>and<br>• Ar                                   |

| Application   |
|---|
| Skin care<br>Scalp care<br>In vivo tested<br>Use level<br>0,5% - 4% |
| Skin care<br>Make up<br>In vivo tested<br>Use level<br>0,5% - 1,5%  |
| Skin care<br>In vivo tested<br>Use level<br>5% - 10%                |
| Skin care<br>In vivo tested<br>Use level:<br>1% - 5%                |
|   |

SHAROHYAL



### SHAROHYAL – HYALURONIC LINE

### SHAROHYAL – HYALURONIC LINE

| Code & Trade Name   | INCI  | Characteristics  | Application   | Code & Trade Name  | INCI   |   |
|---|---|--|---|--|--|---|
| C600572<br>HAROHYAL<br>ATRIX  | Water, Sodium Hyaluronate<br>Crosspolymer, Propanediol,<br>Glycerin, Hydrolized Gly-<br>cosaminoglycans, Sodium<br>Hyaluronate, Hydrolyzed<br>Hyaluronic Acid, Hyaluron-<br>ic Acid.<br>Aspect: viscous hydro solu-<br>ble liquid | Special combination of 5 different<br>molecular weight hyaluronic acids,<br>anti-wrinkle and moisturising com-<br>plex<br>• Anti-wrinkle<br>• Moisturizing   | Skin care<br>In vivo tested<br>In vitro tested<br>Use level:<br>0,5% - 1,5% | <section-header><section-header><complex-block><complex-block><complex-block><complex-block><complex-block>          BC600268</complex-block></complex-block></complex-block></complex-block></complex-block></section-header></section-header>  | Glycerin, Aqua, Buddle-<br>ja Davidii meristem cell<br>culture extract, Hydrolyzed<br>Glycosaminoglycans<br>Aspect: hydro soluble liquid         | It cor<br>cells<br>with<br>Glyco<br>• Tir<br>• Ski<br>• An                      |
| C600364<br>HAROHYAL<br>LICE<br>Vegan Palm free ECIC COSMOS<br>Jeconomic Cosmos<br>Listed Cosmos | Aqua, Glycerin, Hydrolyzed<br>Glycosaminoglycans,<br>Hydrolyzed Rice Protein,<br>Hyaluronic Acid<br>Aspect: hydro soluble liquid  | Natural antistatic conditioner,<br>significantly reduces the electro-<br>static charge on the hair, creates a<br>monomolecular layer of hyaluronic<br>acid which removes the positive<br>charges.<br>• Breaking strength<br>• Glossy Hair<br>• Combing improvement | Hair care<br>In vivo tested<br>Use level:<br>0,5% - 5%                      | BC600382<br>SHAROHYAL<br>CENTELLA CELL<br>Wegan Wegee Wegee Wegee<br>Vegan Palm free CosMOS Cell Carrier   | Glycerin, Aqua, Centella<br>Asiatica meristem cell<br>culture extract, Hydrolyzed<br>Glycosaminoglycans<br>Aspect: hydro soluble liquid          | A cor<br>from<br>prese<br>atica<br>Hydr<br>Glyce<br>• An<br>• Infl<br>• Mie     |
| derived from a co<br>with plant bud ce  | a special range of act<br>ombination of hyalur<br>ells.   | onic acid precursors   |   | BC600334<br>SHAROHYAL<br>COLINACEA CELLImage: Stress of the stress   | Glycerin, Aqua, Echinacea<br>Angustifolia meristem cell<br>culture extract, Hydrolyzed<br>Glycosaminoglycans<br>Aspect: hydro soluble liquid     | It con<br>cea A<br>Hydr<br>pher<br>amin<br>ener<br>flam<br>• Enl<br>prc<br>• Me |
| in vitro. Each pla<br>the tip of the bud  | ll culture technology<br>nt secretes a differen<br>I that is highly functi<br>st external aggressio   | onal and provides  |   | BC600269<br>SHAROHYAL<br>LENTOPODIUM<br>CELL<br>Vean Ver Office | Glycerin, Aqua,<br>Leontopodium Alpinum<br>meristem cell culture<br>extract, Hydrolyzed<br>Glycosaminoglycans<br>Aspect: hydro soluble<br>liquid | It con<br>um A<br>stror<br>anti-<br>idant<br>• Enl<br>pro                       |

SHAROHYAL

SHAROHYAL

| Characteristics   | Application                       |
|---|-----------------------------------|
|   |                                   |
| comes from meristematic   | Skin care                         |
| ells of Buddleja Davidii complexed<br>⁄ith Hydrolyzed   | Use level:<br>1%- 5%              |
| ilycosaminoglycans (HGAG).  |                                   |
| Tirosinase inhibition   |                                   |
|   |                                   |
| Skin lightener  |                                   |
| Anti inflammatory   |                                   |
| complex of substances extracted   | Skin care                         |
| resent in the buds of Centella Asi-   | Use level:<br>1%- 5%              |
| tica complexed with<br>lydrolyzed   | 1%- 5%                            |
| ilycosaminoglycans  |                                   |
| Antioxidant   |                                   |
| Inflamation controller  |                                   |
| Microcirculation improvement  |                                   |
|   |                                   |
| t comes from stems of Echina-<br>ea Angustifolia complexed with<br>lydrolyzed GAG. It contains<br>henylpropanoids, phytosterols,<br>minoacids, polysaccharides with<br>nergizing, anti-ageing, and anti-in-<br>lammatory action | Skin care<br>Use level:<br>1%- 5% |
| Enhancer of fibroblast<br>proliferation<br>Metabolic energizer  |                                   |
|   |                                   |
| t comes from stems of Leontopodi-   | Skin care                         |
| m Alpinum (Edelweiss). It shows a trong anti ageing activity due to its   | In vitro tested                   |
| nti-collagenase properties, antiox-<br>dant and radical scavenger action.   | Use level:                        |
| ממות מווע דמעוכמו שכמיכווצכו מכנוטוו.   | 1%- 5%                            |
| Enhancer of fibroblast<br>proliferation   |                                   |
| Anti-inflammation   |                                   |





### OLEOSOME TECHNOLOGY- delivery system

| Code & Trade Name  |   | Characteristics   | Application                             |
|--|---|---|---|
| BT001<br>CAPSOL™   | Carthamus Tinctorius<br>(Safflower) Oleosomes,<br>Water | CapSol <sup>™</sup> is a breakthrough in sun care<br>product formulation technology. It de-<br>livers superior product aesthetics and<br>up to 80% reduction in organic actives | Sun care<br>Skin care<br>In vivo tested |
|  | Aspect: Hydro soluble<br>liquid                         | required to achieve desired SPF while<br>exhibiting environmental safety, ingre-  | Use level:<br>1% - 10%                  |
|  |   | dient sustainability, and formulation cost reduction. CapSol™ is recommend-   | 1%-10%                                  |
| Vegan IECIC COSMOS Cell Carrier<br>Listed NATURAL Technology |   | ed for use in daily wear SPF moisturiz-<br>ers, beachwear sunscreens, daily wear<br>SPF colour cosmetics, and anti-aging<br>skincare applications.                              | Emulsification ratio<br>1:3             |
| Organic option   |   | • SPF booster   |   |
| available  |   | • Emulsifier properties   |   |
| BT003  | Prunus Amygdalus  | Hydresia® Dulce, naturally produced   | Skin care                               |
| HYDRESIA®<br>DULCE   | Dulcis (Sweet Almond)<br>Oleosomes, Glycerin,<br>Water  | from sweet almond oleosomes, boasts<br>a unique, continuous moisture delivery<br>system that is an all-natural alternate  | Hair care<br>Use level:                 |
|  | Oleosome: 60%   | to chemical emulsifiers and other irri-<br>tating ingredients. Through delayed  | 5% - 20%                                |
|  | Aspect: Off-white                                       | release of emollient almond oil and vitamin E, Hydresia® Dulcé offers en-   | Emulsification ratio                    |
|  | cream   | hanced moisturization within premium<br>personal care and skin care applica-<br>tions.  |   |
| Vegan COSMOS Cell Carrier                                    |   |   |   |
| Vegan COSMOS Cell Carrier<br>NATURAL Technology              |   | Moisturizing  |   |
|  |   | • Emulsifier properties   |   |

## OLEOSOME

A novel water-based process technology for the separation of intact oleosomes from oilseeds for whole-seed utilisation. An approach which reflects our sustainability and value add culture.

**OLEOSOME** 

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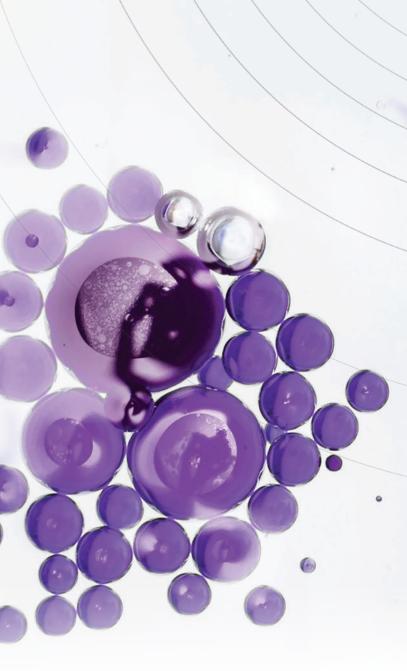
### OLEOSOME TECHNOLOGY- delivery system

| Code & Trade Name   | INCI  | Characteristics  | Application  |
|---|---|--|--|
|   |   | Characteristics  | Application  |
| BT004<br>HYDRESIA® SF2<br>veran $verand verand verand$ | Carthamus Tinctorius<br>(Safflower) Oleosomes,<br>Water<br>Oleosome: 65%<br>Aspect: Off-white<br>cream<br>Available in<br>combination with<br>different<br>preservatives<br>systems                                       | Hydresia® SF2, naturally and sustain-<br>ably produced from safflower oleo-<br>somes, boasts a unique, continuous<br>moisture delivery system that is an<br>all-natural alternate to chemical emul-<br>sifiers and other irritating ingredients.<br>Through delayed release of emollient<br>oil and vitamins, Hydresia® SF2 func-<br>tions to improve the aesthetics of all<br>formulations (including alcohol hand<br>sanitizers) and prolong the delivery of<br>actives for unparalleled efficacy in per-<br>sonal care. | Skin care<br>Sun care<br>Make up<br>In vivo tested<br>Use level: 5%-20%<br>Emulsification ratio<br>1:3 |
|   |   | Moisturizing   |  |
|   |   | • Emulsifier properties  |  |
| BT005<br>HYDRESIA® G2   | Carthamus Tinctorius<br>(Safflower) Oleosomes,<br>Glycerin, Gluconolac-<br>tone, sodium Benzo-<br>ate, Water.<br>Oleosome: 60%<br>Aspect: Off-white<br>cream<br>Available in combi-<br>nation with<br>different procenta- | Hydresia® G2, naturally and sus-<br>tainably produced from safflower<br>oleosomes, boasts a unique, continu-<br>ous moisture delivery system that is<br>an all-natural alternate to chemical<br>emulsifiers and other irritating ingre-<br>dients. Through delayed release of<br>emollient oil and vitamins, Hydresia®<br>G2 provides enhanced hydration within<br>cosmetic applications including body<br>washes, facial cleansers, and hair care.  | Skin care<br>Hair care<br>Toiletries<br>Use level: 5%-20%<br>Emulsification ratio<br>1:3               |
| Vegan IECIC COSMOS Cell Carrier<br>Listed NATURAL Technology  | different preserva-<br>tives systems  | <ul> <li>Moisturizing</li> <li>Emulsifier properties</li> </ul>  |  |
|   |   |  |  |



## MORIPURE®

With a focus on the recovery of sericin through a closedloop sustainability process, our novel bio engineering process enables the use of pure sericin from by-products of the silk industry for the formulation of sustainable and innovative ingredients.



### Moripure – Silkpure

Sustainable rebooting sericin

| Code & Trade Name  | INCI   | Characteristics  | Application  |
|--|--|--|--|
| MOOO2<br>MORIPURE<br>SILK AQUASImage: Single ConstraintsImage: Single ConstraintsI   | Silk Extract, Pentylene<br>Glycol<br>Aspect:<br>water-soluble liquid | The best expression of 0-waste philos-<br>ophy for a sustainable total recovery<br>of water from silk extraction process<br>(100% waste recovery). Second raw<br>material ideal to add sustainability to<br>each texture. It can be used as active<br>solvent ingredient.  | Skin care<br>Hair care   |
| MOO03<br>MORIPURE<br>DOWDER SD   | Silk Sericin<br>Aspect:<br>Beige powder                              | <ul> <li>Pure sericin powder, a second raw material (100% waste recovery) obtained with a spray-drying process. An active antip ollution shield with filming properties,</li> <li>perfect for skincare, haircare and make up.</li> <li>Anti Pollution</li> <li>Instant hair repair</li> <li>Antispot -brightening</li> </ul>   | Skin care<br>Hair care<br>In vivo tested<br>Use level<br>0,1%-3% |
| MO005<br>SILKPURE ERI<br>DOWDER SD<br>Verified Palm free Cosmos Subarto<br>Delar | Sericin<br>Aspect: beige powder                                      | <ul> <li>Pure sericin powder, derived from ERI<br/>Silk, the only obtained through produc-<br/>tion process totally respectful of the<br/>worm's life cycle. a second raw material<br/>(100% waste recovery) obtained with a<br/>spray-drying process, perfect for skin-<br/>care, haircare and makeup.</li> <li>Anti Pollution</li> <li>Instant hair repair</li> <li>Antispot -brightening</li> </ul> | Skin care<br>Hair care<br>In vivo tested<br>Use level<br>0,1%-3% |
| MO006<br>SILKPURE ERI<br>AQUA<br>Verified Palm free Cosmos Sustainable<br>Delay free Cosmos Sustainable  | Silk Extract, Pentylene<br>Glycol<br>Aspect:<br>water-soluble liquid | The best expression of 0-waste phi-<br>losophy for a total recovery of water<br>from extraction process (100% waste<br>recovery) of ERI Silk, the only obtained<br>through production process respectful<br>of the worm's life cycle. It can be used<br>as active solvent ingredient.  | Skin care<br>Hair care   |



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MORIPURE





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