SKIN HEALTH AND DELIVERY SYSTEMS



SKIN HEALTH & DELIVERY SYSTEMS

Vantage[™] has developed several technology platforms which offers customers a wide variety of solutions to address consumer needs for efficacy and visible results.

The Vantage™ range of skin biomimetic ingredients and natural extracts has been curated to address critical skin disorders and beauty users concerns.

The Vantage™ sun care platform harnesses the power of inorganic sun filters to provide efficient protection against sun exposure.

To help manufacturers handle hazardous or hard-to-formulate ingredients, Vantage[™] has developed proprietary high-performance dispersion technologies (High Pressure Milling) to help break large particles aggregates and facilitates their incorporation in formulations.

Finally, Vantage™ encapsulation technology is a way for formulators to combine skin care benefits and impactful visual effects in their cosmetic products. These encapsulated ingredients can be customized to meet brands' needs for visual and claim differentiation.

Vantage[™] offering:

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SKIN BIOMIMETIC

High efficacy active ingredients inspired by skin's natural biological pathways. These ingredients have been optimized to demonstrate the best bio-compatibility and deliver visible and substantiated skin benefits.

PRODUCT / INCI NAME	BENEFITS	CLAIMS	SUGGESTED USE LEVEL	CERTIFICATIONS
Bio-Signal™ Lipid 10 MB Glycerin (and) Phospholipid	 Improves skin barrier and provides immediate and long term hydration Decreases skin sensitivity irritating potential of other ingredients Improves skin barrier and provides immediate and long term hydration 	Moisturizing Anti-aging Anti-irritation Anti-inflammaging	1%	RAW AND COMMITTEE OF THE PROPERTY OF THE PROPE
Biopolymer BHA-10 *3 Polyquaternium-10 (and) Hyaluronic Acid	Combines intense hydration with hair and skin smoothing	MoisturizingConditioning	1-3%	<u>C</u>
Biopolymer HA-24 Bio *3 Polyquaternium-24 (and) Hyaluronic Acid	Extended hydrating and smoothing efficacy	MoisturizingConditioning	2-4%	<u>C</u>
Biopolymer SA-N-PF Hyaluronic Acid (and) Serum Albumin (and) Dextran Sulfate	 Immediate wrinkle filling effect and long-term hydration 	MoisturizingAnti-aging	1-2%	€
Hylasome™ EG-10 Sodium Hyaluronate Crosspolymer	 Crosslinked hyaluronic acid that delivers moisture to the skin Contains a unique nonequilibrium gel structure with gel domains that hold tightly bound water and release it over time 	MoisturizingAnti-aging	1-5%	ISO C
Liposhield™ HEV Melanin Melanin	Fractionated naturally-derived melanin for extended blue light (High Energy Visible Light) protection	Blue light protection	0.2-0.5%	ISO C
Lipo™ Hyaluronic Acid Sodium Hyaluronate	Naturally-occurring polyanionic polysaccharide for skin rejuvenation and hydration	Moisturizing	0.1-0.5%	<u>C</u>
Lipo™ Hyaluronic Acid LP Sodium Hyaluronate	Low polydispersity, high activity grade (100% active content)	Moisturizing	0.1-0.5%	<u>C</u>
Lipo™ Hyaluronic Acid, 1% Solution PF Water (and) Sodium Hyaluronate	• 1% dispersion of Lipo™ Hyaluronic Acid	 Moisturizing 	1-5%	ISO C
offered by TAKASAGO *2	2			
Ceramide TIC-001 Ceramide NG	Highly bio-available ceramide for intense skin hydration	Moisturizing	0.01-0.2%	<u>C</u>

 $^{^{*2}}$ Distributed by Vantage $^{™}$ in North America, Latin America, India, and Europe.

^{*3} Not available in Europe.

NATURAL EXTRACTS

The Vantage[™] range of natural extracts are harnessing nature's most potent resources to deliver substantive skin benefits.

PRODUCT / INCI NAME	BENEFITS	CLAIMS	SUGGESTED USE LEVEL	CERTIFICATIONS
DC Instalift™ Goji GF Water (and) Lycium Barbarum Fruit Extract	• Skin tightening, lifting	Anti-aging	3-8%	ISO C
DC Upregulex ™ Water (and) Butylene Glycol (and) Phospholipids (and) Hydrolyzed Sericin	 Dermal renewal (restructuring) of skin, stimulates collagen & hyaluronic acid, production improvement of cell proliferation 	Anti-agingEnergizing	2-6%	iso C
Distinctive™ Blueberry 5CCT Caprylic/Capric Triglyceride (and) Vaccinium Angustifolium (Blueberry) Fruit Extract	 Protective, antioxidant, anti-inflammatory, skin brightening 	Anti-inflammatoryAnti-oxidantSkin brightening	1-4%	ISO C
Distinctive™ Blueberry 5P Propanediol (and) Vaccinium Angustifolium (Blueberry) Fruit Extract	 Protective, antioxidant, anti-inflammatory, skin brightening 	Anti-inflammatoryAnti-oxidantSkin brightening	1-4%	ISO C
Distinctive™ Coconut Water Cocos Nucifera (Coconut) Liquid Endosperm (and) Glycerin (and) Cocos Nucifera (Coconut) Fruit Juice	Anti-glycation	Anti-agingMoisturizing	5-80%	ISO C
Gorgonian Extract™ BG Butylene Glycol (and) Sea Whip Extract	Suppression of the inflammatory cascade	Anti-inflammatory	0.3-2%	€
Gorgonian Extract™ GC Caprylic/Capric Triglyceride (and) Sea Whip Extract	Suppression of the inflammatory cascade	Anti-inflammatory	0.3-2%	ISO C
Gorgonian Extract™ PTG Pentylene Glycol (and) Sea Whip Extract	Suppression of the inflammatory cascade	Anti-inflammatory	0.3-2%	C ⊗
Hydro-Matrix Rice PGA Glycerin (and) Water (and) Sodium Hyaluronate Crosspolymer (and) Pro- panediol (and) Hydrolyzed Rice Bran Extract (and) Polyglutamic Acid	 High water release and collagen stimulation Restores skin's natural protective barrier 	MoisturizingAnti-aging	3-10%	ISO C
Jojoba Hydrate™ Jojoba Alcohol (and) Potassium Jojobate (and) Butylene Glycol	Multi-functional as an emulsifier, neutralizing agent & skin cleansing	• Cleansing	1-6%	
Jojoba Illuminate™ Jojoba Alcohol (and) Potassium Jojobate (and) Propanediol	Multi-functional as an emulsifier, neutralizing agent & skin cleansing	• Cleansing	1-6%	
Jojoba Pro [™] - HP Hydrolyzed Jojoba Protein	Skin & hair conditioning agent	Hair conditioning	2-5%	iso C
Jojoba Pro™-N Hydrolyzed Jojoba Protein	Skin & hair conditioning agent	Hair conditioning	2-5%	RAW MATERIAL ISO C
Liposilt™ Black PF Silt	 Nourishing to skin and hair. Contains humic acid, organic nitrogen and free fatty acids, for moisturizing excess sebum reduction and skin tone evening 	Moisturizing	1-100%	C
Lipo™ Bisabolol Bisabolol	Oil soluble anti-inflammatory agent, plant extract	Anti-inflammatory	0.1-1%	RAW MATERIAL ISO C

HUMECTANTS

Humectants provide skin hydration while improving the overall sensorial profile of formulations. They support our customers' transition to greener formulations.

PRODUCT / INCI NAME	BENEFITS	CERTIFICATIONS
Lipamide™ MEAA 100% Acetamide MEA	Anti-stat for hair	C
Lipamide™ MEAA 75% Acetamide MEA (and) Water	Anti-stat for hair	C
Lipo Polyglycol™ 300 PEG-6	High water solubilityRecommended for humectancy and viscosity control	<u>C</u>
Lipo Polyglycol™ 400 PEG-8	 High water solubility Recommended for humectancy and viscosity control 	<u>C</u>
Liponate[™] SB-50 PEG-50 Shea Butter (and) Water	Water dispersible emollient that provides the softening and skin conditioning properties associated with shea butter in an easy to use liquid form	© C
Liponic™ EG-1 Glycereth-26	Excellent skin feel and conditioning	C
Liponic™ EG-7 Glycereth-7	Excellent skin feel and conditioning	<u>C</u>

MINERAL UV FILTERS

Inorganic sunscreens offer excellent UVA and UVB absorption for daily skin protection. These filters are available in different nano and non-nano sizes, and with different surface treatments for enhanced compatibility with your formulation.

PRODUCT / INCI NAME PARTICLE SIZE BENEFITS CERTIFICATION CERTIFICATION CERTIFICATION PRODUCT PRODUCT				
offered by SUNJIN BEAU	SUNJIN BEAUTY SCIENCE *1			
HYBRID AB Polymethyl Methacrylate (and) Butyl Methoxydibenzoylmethane	5um	Avobenzone in a PMMA bead to provide UV protection and improved sensory feel	C	
SUNSIL-TIN50 Silica (and) Titanium Dioxide	2-7um	TiO2 encapsulated in a silica bead to boost SPF, and provide transparency	RAW MATERIAL	
SUNSIL-TIN5OAS Silica (and) Titanium Dioxide (and) Triethoxycaprylylsilane	2-7um	 TiO2 encapsulated in a silica bead to boost SPF, and provide transparency AS surface treatment for ease of use 	RAW MATERIAL	
SUNZNO Zinc Oxide	150nm	Non-nano ZnO	RAW MATERIAL	
SUNZNO-AS Zinc Oxide (and) Triethoxycaprylylsilane	105nm	Non-nano ZnO	<u>C</u>	
SUNZNO-NAS Zinc Oxide (and) Triethoxycaprylylsilane	30nm	Nano ZnO	C	
SUNZNO-OLEO 200 Zinc Oxide (and) Cetyl Alcohol	200nm	Non-nano ZnO	RAW MATERIAL	
SUNZNO-OLEO 40 Zinc Oxide (and) Cetyl Alcohol	40nm	Nano ZnO	C	
SUNZNO-SA Zinc Oxide (and) Stearic Acid	150um	Non-nano ZnO	RAW MATERIAL C	
T-80 Titanium Dioxide (and) Silica	350-1000nm	Non-nano TiO2	AGENTIAL C	
T-80AS Titanium Dioxide (and) Silica (and) Triethoxycaprylylsilane	350-1000nm	• Non-nano TiO2	C	
T-80JJ Titanium Dioxide (and) Silica (and) Jojoba Esters	350-1000nm	• Non-nano TiO2	Approved RAW MATERIAL	
T-80LL Titanium Dioxide (and) Silica (and) Lauroyl Lysine	350-1000nm	• Non-nano TiO2	RAW MATERIAL C	
T-80SA Titanium Dioxide (and) Silica (and) Stearic Acid	350-1000nm	Non-nano TiO2	RAW MATERIAL	
TX-85 Titanium Dioxide (and) Silica (and) Dimethicone	30nm	• Nano TiO2	C	
TX-85 AQ Titanium Dioxide (and) Silica	30nm	• Nano TiO2	C	

^{*1} Distributed by Vantage™ in North America and Latin America.

UV FILTER DISPERSIONS

Pre-dispersed UV filters demonstrate enhanced UV absorption, decreased whitening and are easier to incorporate in formulations.

PRODUCT / INCI NAME	SOLID CONTENT	BENEFITS	CERTIFICATIONS
offered by SUNJIN BEAU	TY SCIENCE *	1.	
COSMOS-Z75 Zinc Oxide (and) Dicaprylyl Carbonate (and) Polyglyceryl-2 Dipolyhydroxystearate (and) Stearic Acid	65%	Non-nano ZnO	RAPPORT CONTROL CONTRO
SFT85-AB Titanium Dioxide (and) Silica (and) Triethoxycaprylylsilane (and) C12-15 Alkyl Benzoate (and) Polyhydroxystearic Acid	60%	Non-nano TiO2	© C
SFT85-AQ Titanium Dioxide (and) Silica (and) Triethoxycaprylylsilane (and) Dimethicone	60%	Non-nano TiO2	C
SFT85-CC Titanium Dioxide (and) Dicaprylyl Carbonate (and) Silica (and) Jojoba Esters (and) Polyhydroxystearic Acid	60%	Non-nano TiO2	RAW RAW C
SFT85-CCTG Titanium Dioxide (and) Caprylic/Capric Triglyceride (and) Silica (and) Jojoba Esters (and) Polyhydroxystearic Acid	60%	Non-nano TiO2	RAYERIAL C
SUNCLEAR-Z65C5 Zinc Oxide (and) Coco-Caprylate/ Caprate (and) Polyhydroxystearic Acid (and) Triethoxycaprylylsilane	60%	Nano ZnO	C
SUNCLEAR-Z75AB Zinc Oxide (and) C12-15 Alkyl Benzoate (and) Polyhydroxystearic Acid (and) Triethoxycaprylylsilane	72%	Nano ZnO	C
SUNCLEAR-Z75AQS Zinc Oxide (and) Water (and) Triethoxycaprylylsilane (and) Disodium Stearyl Sulfosuccinate	72%	Nano ZnO	C
TPD-40AB Titanium Dioxide (and) C12-15 Alkyl Benzoate (and) Polyhydroxystearic Acid (and) Alumina (and) Aluminum Stearate	45%	• Nano TiO2	C
TXD-55AQ Titanium Dioxide (and) Silica (and) Dimethicone (and) Water	55%	• Nano TiO2	C

^{*1} Distributed by Vantage™ in North America and Latin America.

ENCAPSULATION

Vantage[™] Encapsulants are visible, innovative, spherical particles offered in a wide variety of sizes & colors, entrapping different ingredients within a shell or matrix. The ingredients are released from pressure during application, when rubbed on the skin or passing through packaging components with a pump. They provide unique visual appeal to personal care and cosmetics products – enhancing the appearance of a product while drawing attention to its active ingredients and improving a consumer's experience when using the product. They are ideal for use in a broad range of applications – including cleansers, skin care, hair care, sun care and hand sanitizers.

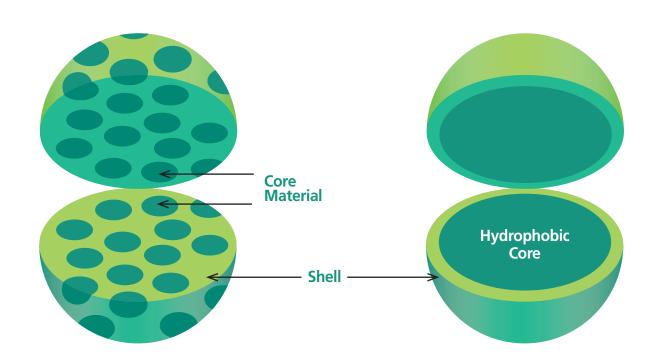
Lipobead™ products are a delivery system technology platform based on a matrix-type encapsulation process in which the encapsulated material is dispersed within a uniform spherical semi-solid matrix of mannitol (or lactose), cellulose and hydroxypropyl methylcellulose colored by pigments. The Lipobead™ product line is designed to hydrate after 4-6 hours in an aqueous formulation to facilitate trouble free processing in high shear filling operations. (available in average sizes of 700 microns and 1500 microns)

Lipospheres[™] products are a delivery system technology platform based on a matrix type encapsulation process in which the material to be encapsulated is dispersed within a polymer matrix, typically derived from agar, a seaweed extract, that can be colored by pigments. The Liposphere product line is supplied as a slurry and can be incorporated easily into your formulations.

(available in sizes ranging from 400 microns average up to 3000 microns average)

Lipocapsules[™] products are a true core/shell type microencapsulation technology characterized by a clear, non-pigmented shell surrounding a single droplet or particle of a hydrophobic core material with or without a color. Contact us for custom development. (available from 10 microns average up to 3000 microns average)

InstaMask[™] products are an innovative all-in-one clay mask bead technology that will transform into an easy-to-use clay mask when mixed with water. InstaMask[™] granules can function as a customizable delivery system, delivering and protecting your active ingredients. You can select actives that have traditionally been difficult to formulate with because they will not need to have stability in a traditional product form.



Matrix Encapsulation Illustration: Lipobead™, Lipospheres™, InstaMask™ Core/Shell Encapsulation Illustration: Lipocapsules™

ENCAPSULATION

continued

Continucu						
PRODUCT / INCI NAME	ACTIVE INGREDIENT/EFFECT	CLAIMS	COLOR	PARTICLE SIZE	USE LEVEL	CERTIFICATIONS
Lipobead™ Blue Lagoon Mannitol (and) Cellulose (and) Hydroxypropyl Methylcellulose (and) Retinyl Palmitate (and) Tocopheryl Acetate (and) Ultramarines	Vitamin AVitamin E	Anti-agingAnti-oxidant	Blue	700um	0.2-1%	C
Lipobead™ Detox with Coconut Charcoal MB Mannitol (and) Cellulose (and) Charcoal Powder (and) Hydroxypropyl Methylcellulose (and) Caprylic/Capric Triglyceride	Activated charcoal	DetoxCleansingSustainable charcoal	Black	700um	0.5-5%	MIXED C
Lipobead™ Golden Pearl with DW Jojoba Mannitol (and) Cellulose (and) Hydroxypropyl Methylcellulose (and) Mica (and) Iron Oxide (and) Titanium Dioxide (and) Tin Oxide (and) Silica (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Polyvinyl Alcohol	• Jojoba oil	MoisturizingSoothing	Pearlescent Gold	1,500um	0.2-1%	C
Lipobead™ Green with Olive Oil Mannitol (and) Cellulose (and) Hydroxypropyl Methylcellulose (and) Chromium Oxide Greens (and) Olea Europaea (Olive) Fruit Oil	• Olive oil	MoisturizingSoothing	Green	700um	0.2-1%	C
Lipobead™ Leaf Green with CBD Isolate Mannitol (and) Cellulose (and) Hydroxypropyl Methylcellulose (and) Cannabidiol (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Iron Oxides (CI 77492) (and) Ultramarines (CI 77007)	 CBD Isolate (CBD oil and hemp seed oil grades also available) 	• 0% THC	Green	700um	0.5-3%	
Lipobead™ Pink Princess Lactose (and) Cellulose (and) Hydroxypropyl Methylcellulose (and) Retinyl Palmitate (and) Tocopheryl Acetate (and) Ascorbyl Palmitate (and) Titanium Dioxide (and) Iron Oxide (and) Talc	Vitamin AVitamin EVitamin C	Anti-agingAnti-oxidantBrightening	Pink	700um	0.2-1%	⊗ C
Lipobead™ Snow White with Crambe Mannitol (and) Cellulose (and) Hydroxypropyl Methylcellulose (and) Crambe Abyssinica Seed Oil (and) Titanium Dioxide	Crambe oil	MoisturizingSoothing	White	1,500um	0.2-1%	C
PreBio™ Defense Mannitol (and) Cellulose (and) Hydroxypropyl Methyl Cellulose (and) Inulin (and) Yeast Beta Glucan (and) Undaria Pinnatifida Extract	Inulin polysaccharidesBeta glucanAlgae extract	PrebioticSoothing	Off-White	700um	0.2-1%	C
Lipospheres™ Golden Pearl with DW Jojoba Agar (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Titanium Dioxide (and) Mica (and) Iron Oxide (and) Cellulose Gum (and) Water	• Jojoba oil	MoisturizingSoothing	Pearlescent Gold	2,700um	1-5%	ISO C
Lipospheres™ Mother of Pearl with NPGC-2 Agar (and) Titanium Dioxide (and) Mica (and) Neopentyl Glycol Dicaprylate/Dicaprate (and) Cellulose Gum (and) Water	• Liponate [™] NPGC-2	 Moisturizing 	Pearlescent White	2,700um	1-5%	iso C
Lipospheres™ Silver Radiance Agar (and) Calcium Sodium Borosilicate (and) Titanium Dioxide (and) Cellulose Gum (and) Water	Glitter shimmer effect	Brightening	Clear and Glittery	1,200um	1-5%	ISO C
InstaMask™ Shale with Vitamin C and Aloe Vera Kaolin (and) Aluminum Silicate (and) Mannitol (and) Cellulose (and) PVP (and) Sodium Polyacrylate (and) Hydroxypropyl Methylcellulose (and) Aloe Barbadensis Leaf Juice (and) Ascorbic Acid	Aloe VeraVitamin C	Sebum reductionCleansingTightening	Green-Gray	500-2000um	100%	C

SPECIALTY BLENDS

Optimized combination of active ingredients for enhanced efficacy and performance.

PRODUCT / INCI NAME	BENEFITS	CERTIFICATIONS
Instaplump™ LQ Hydrogenated Polyisobutene (and) Methyl Nicotinate (and) Capsicum Frutescens Fruit Extract (and) Glycine Soja (Soybean) Oil (and) Zingiber Officinale (Ginger) Root Oil	Instant lip volumizing and warming effect Clear	iso C
Instaplump™ VA Octyldodecanol (and) Quaternium-90 Bentonite (and) Propylene Carbonate (and) Methyl Nicotinate (and) Caffeine (and) Niacin	Instant lip volumizing and warming effect	C
Lipobrite [™] HCA-4 PEG-4 (and) Hydroxycinnamic Acid	Safe and highly bioavailable hydroxycinnamic acid for skin brigthening	C
Lipobronze™ VEG-AB Water (and) Butylene Glycol (and) Hydrolyzed Vegetable Protein (and) Acetyl Tyrosine (and) Adenosine Triphosphate (and) Riboflavin	Tanning complexe designed to achieve a quick, intense and longlasting tan	C
Lipoquat™ R Ricinoleamidopropyl Ethyldimonium Ethosulfate	• Improves the feel of skincare emulsions and offers enhanced conditioning properties for all hair, skin and nail treatment products	C
Sweet-Lip-Moisture Glycerin (and) Hydrogenated Lecithin (and) C12-16 Alcohols (and) Palmitic Acid (and) Betaine (and) Momordica Grosvenorii Fruit Extract	Sweet tasting complex for intense lip moisturizing Lamellar sheet network	C
DC HA Filling Complex PF Water (and) Glycerin (and) Hydrolyzed Silk (and) Humic Acids (and) Sodium Hyaluronate (and) Olea Europaea (Olive) Fruit Extract	 Multi-functional skin care active comprised in part, of a new form of hyaluronic acid Hydrating/Moisturizing Anti-aging 	iso C
DC Antiglycagen Water (and) Humic Acids (and) Butylene Glycol (and) Olea Europaea (Olive) Fruit Extract	Anti-aging Anti-irritant Anti-oxidant	ISO C
DC Provesselin Water (and) Phospholipids (and) Butylene Glycol (and) Angelica Polymorpha Sinensis Root Extract	Capillary ProtectionAnit-inflammationCollagen Stimulation	iso C

IMPROVED DELIVERY

Vantage[™] has developed proprietary high-performance dispersion technologies (High Pressure Milling) to help break large particles aggregates and allow the incorporation of hard-to-formulate ingredients. This results in safer to use ingredients, improved sensorial

PRODUCT / INCI NAME	BENEFITS	USP INGREDIENT LEVEL	CERTIFICATIONS
Curcylic™ 40 Cocamidopropyl Dimethylamine (and) Salicylic Acid	 USP compliant salicylic acid dispersion for easy incorporation in alcohol-free formulations Compatible with cold process 	40%	C
Curoxyl™ 42 Water (and) Benzoyl Peroxide	 USP compliant gel form of benzoyl peroxide for improved skin feel, enhanced bioavailability, with a unique safety profile for daily acne treatment Compatible with cold process 	40%	

We create the ingredient that differentiate your brand.



our adaptive innovation

applies creative problem solving & rapid execution to help our customers bring their unique products to market...fast.



















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