



Cosmospheres®

Dazzling Beads for Personal Care



THINKING OF TOMORROW

The visual effect for your functional ingredients

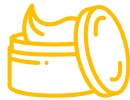
Cosmospheres® are the experiential element that your product is missing. They add a visual signal that makes your formulation stand out but disintegrate without a trace during use.

Cosmospheres® are sourced from natural and biodegradable ingredients. They are available in a variety of colors and may feature additional ingredients that support your product positioning.

A wide range of applications



Hair Care



Face Care



Body Care



Hygiene



Oral Care



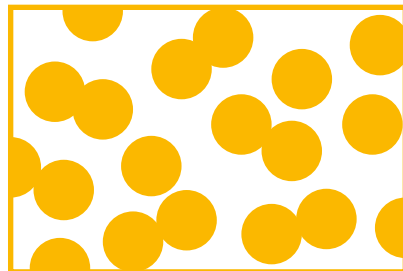
Color Cosmetics

Benefits

- *Composed of natural ingredients*
- *Vegan*
- *Free from microplastics, preservatives and solvents*
- *COSMOS approved*
- *NMPA registered*
- *Fully customizable (composition, color, and size)*
- *Free of any residues after application*

Fulfilling your needs in every phase

1 Manufacture with ease



- Delivered as dry solid beads
- Ready to use
- Compatible with most ingredients
- Remain solid during manufacturing

2 Create visually attractive products



- Swell and soften over time
- Visual signal enhances your product

3 Captivate users with new sensations



- Cosmospheres® disintegrate during use, adding an experiential element to your product usage experience
- They do not leave any residue or interfere with actives or colors



Standard Vegan Cosmospheres®

Vegan Cosmospheres®
Mannitol (and) Microcrystalline Cellulose

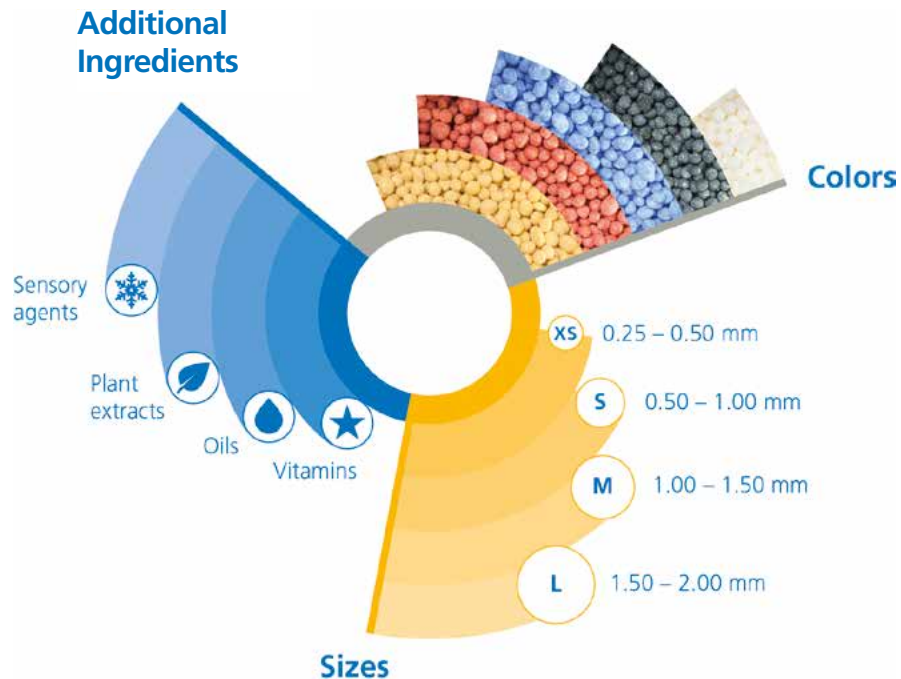
#Sustainable #Experiential

Product	Color	Size	Add-on
Cosmospheres® Activated Carbon 3-S-EI	Carbon black 	Small	Activated Charcoal
Cosmospheres® Aloe Green-S-EI	Chrome green 	Small	Aloe Vera Powder
Cosmospheres® BN10-S-EI	Violet blue 	Small	
Cosmospheres® BRC-M-EI	Brown 	Medium	Caffeine
Cosmospheres® GT10-S-EI	Chrome green 	Small	Tocopheryl Acetate
Cosmospheres® GYAM-M-EI	Olive green 	Medium	Aloe Vera Powder 
Cosmospheres® Vit. E-Sun White-M-EI	White 	Medium	Helianthus Annuus Seed Oil Tocopheryl Acetate
Cosmospheres® Vit. E-Yellow-S-EI	Dark yellow 	Small	Tocopheryl Acetate
Cosmospheres® WL1-M-EI	White 	Medium	Menthol

These featured Cosmospheres® are available at a low 5 kg MOQ and are the perfect starting point for most customers. Don't see an option that will suit your specific needs? Ask your Omya Sales Representative about additional Cosmospheres® starting at 40 kg MOQ, or inquire if custom Cosmospheres® are right for you.

Customized Cosmospheres®

The size, color, and composition can be customized to meet your specific needs!



An extensive range of ingredients can be used:

- *Liquid or powdered ingredients*
- *Color dyes, inorganic, or effect pigments*
- *Sensory agents (for cooling or warming effects, etc.)*
- *Vitamins*
- *Essential and moisturizing oils*
- *Oil soluble actives and extracts*
- *Botanical extracts*



Body Care Formulation

Body Slimming Cream

SH-02-03-03

Ingredients		INCI Nomenclature	Suppliers	% w/w
A	DI-Water	Water (Aqua)	---	qs
	Structure® Solanace™	Potato Starch Modified	Nouryon	2.00
B	Evicare® emulgiza light	Glyceryl Stearate Citrate, Cetearyl Alcohol, Glyceryl Laurate	Evident Ingredients	3.50
	Labrafac® CC MB	Caprylic/Capric Triglyceride	Gattefossé	15.00
	Silgreen® G	Polyglyceryl-4 Oleate, Glyceryl Oleate, Hydrogenated Rapeseed Alcohol	Greengredients®, a division of SOCRI S.p.A.	5.00
C	Evicare® aquatex 14	Xanthan Gum	Evident Ingredients	0.25
	Propanediol	Propanediol	---	4.00
D	Evicide® G-5 eco	Pentylene Glycol	Evident Ingredients	3.00
	Evicide® hyacinth	Phenylpropanol	Evident Ingredients	0.20
E	Cosmospheres® BRC-M-EI	Mannitol, Microcrystalline Cellulose, Caffeine, Iron Oxides (CI 77491, CI 77492, CI 77499)	Omya, Inc.	1.00
Total				100.00

Procedure

1	Add Structure® Solanace™ to water at room temperature and begin heating to 75°C. Mix well until Structure® Solanace™ is dispersed.
2	Combine Phase B and heat to 75°C.
3	Add Phase B to Phase A and emulsify at 75°C. Homogenize for 5-10 min.
4	Combine Phase C. Add Phase C to Phase AB and mix well for 10 min.
5	Cool under mixing. At 40°C or below, add Phase D and mix well.
6	Adjust pH to 5.0-5.5, if necessary.
7	Add Phase E and mix until beads are dispersed.

Stability Tested

3 months	5°C, room temperature, 45°C
Freeze/Thaw	3 cycles

Physical Data

Appearance	White – Off White Emulsion with Brown Beads
pH	5.0 – 5.5
Viscosity	cPs Brookfield DV-II (RT; 24 hours; RV T-A (91) @10 rpm)

Cosmospheres® Technical Data

Composition

- Mannitol and Microcrystalline Cellulose
- Additional ingredients vary by product

Preservation

- Preservative free

Features

- No residues left during application on skin or hair
- Not sensitive to light, stable over a wide range of pH and temperatures
- Remain solid during manufacturing
- Add experiential element to product
- No residue after application

Dosage

- Up to 10%
- Typical usage level 1-2%

Storage

- Store between 5 and 25°C

Formulation tips

- Minimum 30% water is required for Cosmospheres® to function properly in finished product
- Incorporate at the end of the manufacturing process, at moderate temperatures and with slow agitation
- Package finished product within 24 hours

Applications

- Suitable for Skin Care, Color Cosmetics, Hygiene, Oral Care such as gels, shampoos, hair conditioners, liquid soaps, toothpastes, cleansers, creams, and lotions

About Omya

Omya is a global manufacturer of minerals and a worldwide distributor of specialty ingredients. Founded in 1884, the company now counts 9,000 employees in 160 locations in over 50 countries. Omya is known for its high quality multifunctional minerals. Cosmospheres® is an Omya brand, manufactured in Switzerland according to the highest production quality standards.



CUSTOMER CARE



INNOVATION



SUSTAINABILITY

Cosmospheres® is a registered trademark of Omya AG in the European Union and Switzerland.

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