

UMANG®
encapsulation solutions

ENCAPSULATED INGREDIENTS FOR PERSONAL CARE

V.25_1



INTRODUCTION

At Umang Particle Science Pvt. Ltd., a subsidiary of Umang Global Group Pvt. Ltd., we specialize in encapsulation technologies that elevate the efficacy and appeal of personal care products. With a commitment to innovation, we offer cutting-edge solutions across Oral Care, Face Care, and Body Care segments, designed to meet the ever-evolving needs of the beauty and wellness industries.

Our advanced encapsulation techniques deliver active ingredients with precision, ensuring enhanced stability, controlled release, and superior product performance. Whether it's the Dissolving Spraysphere SC, Exfoliating Spraysphere SE, and Color Changing Spraysphere SS, the innovative films of Actifilms, or the vibrant sparkle of Luster Dust, we help brands differentiate and create unique consumer experiences. Additionally, with Liposules and Aromasules, we offer lipid and water-soluble encapsulation solutions, providing versatile options for skin nourishment, hydration, and care.

Partner with Umang Particle Science to transform your personal care formulations with superior encapsulated ingredients, designed to enhance product performance and consumer satisfaction.

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What We Do?

At Umang Particle Science, we revolutionize the beauty and wellness industries with exceptional Products. Our innovative technology empowers you to create unparalleled products that cater to the unique needs of your customers, paving the way for extraordinary experiences.

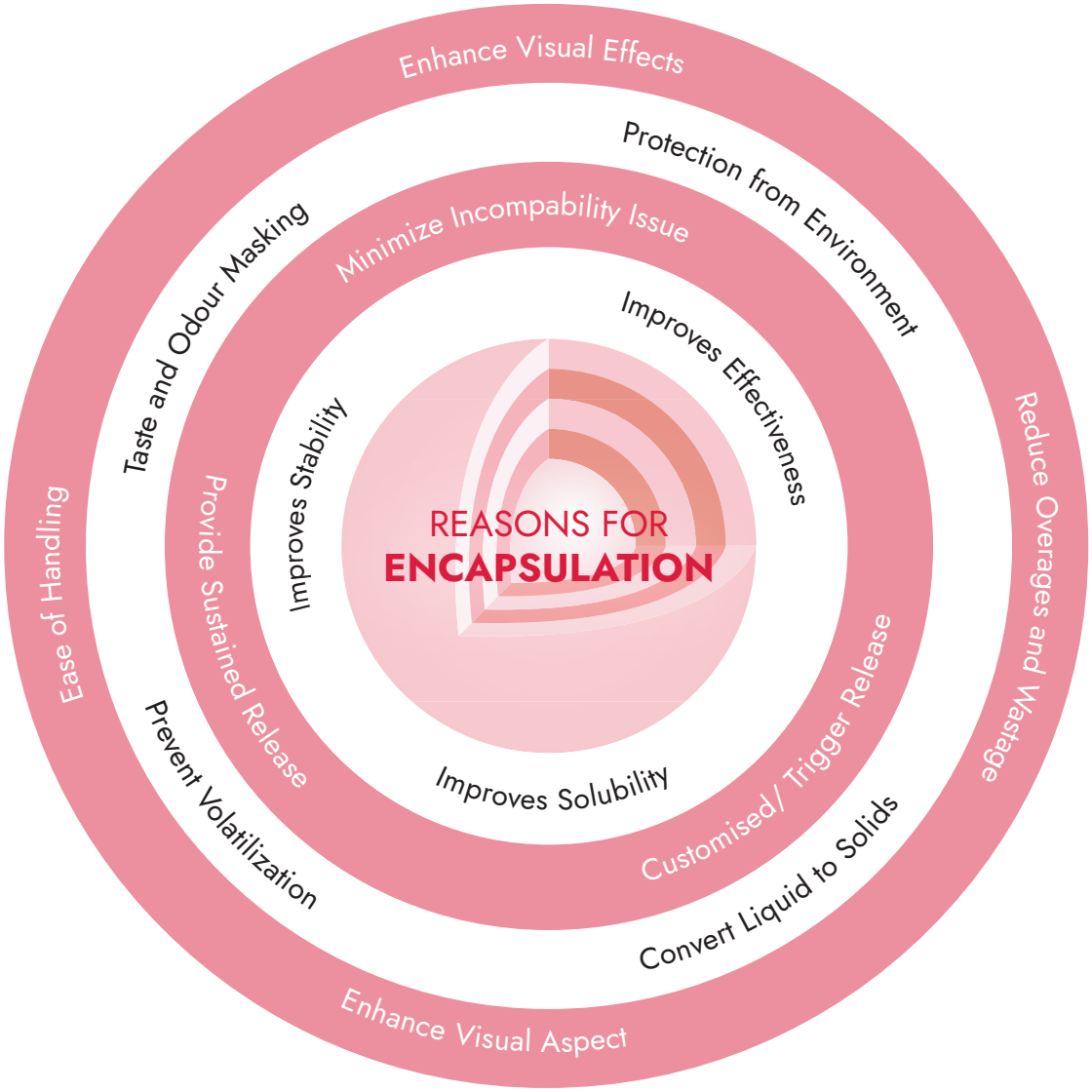
Our Products are not just ingredients; they are exquisite works of art that add visual appeal to your products. With a wide range of colours and Sizes, our Products create a captivating sensory experience that enhances the overall appeal of your products.



What is Encapsulation?

Encapsulation simply means the process of enclosing an active material in a protective layer or shell.

Why Encapsulation?



Benefits of Our Products

Biodegradability:

Our Products are and made from natural materials, & GRAS approved synthetic ingredients making them better choice for your product. Unlike plastic products, our biodegradable products break down completely in the environment, leaving no harmful residues. This aligns with consumers growing demand for sustainable and eco-friendly products.

GRAS-Approved Ingredients:

We use only GRAS (Generally Recognized As Safe) approved ingredients, ensuring the highest level of safety.

Approved Colors:

All the colours we use in the products manufacturing are approved by the EU and USFDA, ensuring compliance with the strictest global standards.

Protection of Sensitive Ingredients:

Our encapsulation technology safeguards sensitive ingredients from harsh environmental factors, ensuring optimal stability and potency.

Encapsulation of Liquid Oils:

We can encapsulate liquid oils, transforming them into solids for improved handling and stability.

Reduced Volatility of Actives:

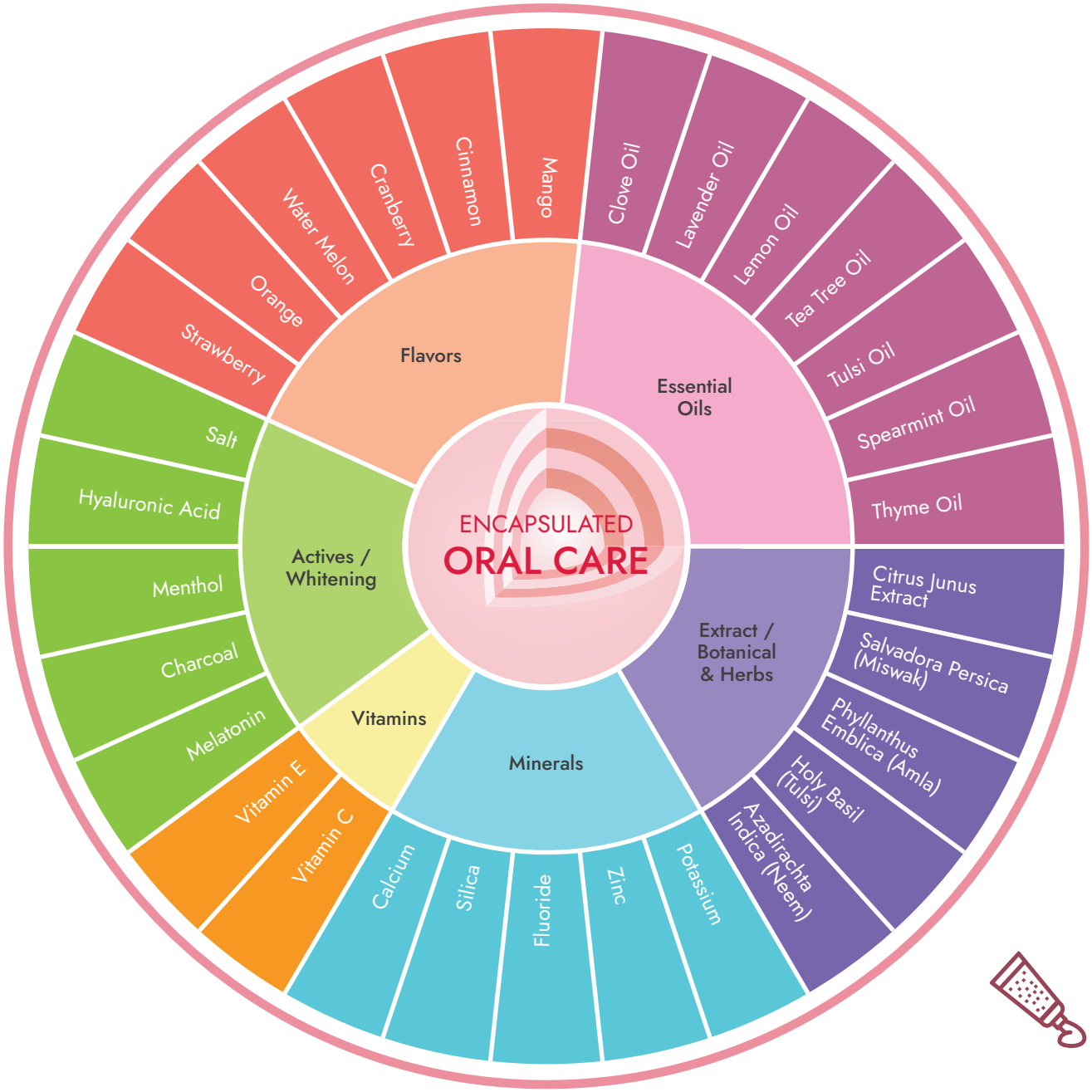
Encapsulation can reduce the volatility of active ingredients, preventing their loss during processing or storage.

Customization:

We offer various customization options, allowing you to create products that perfectly align with your product vision.



ORAL CARE

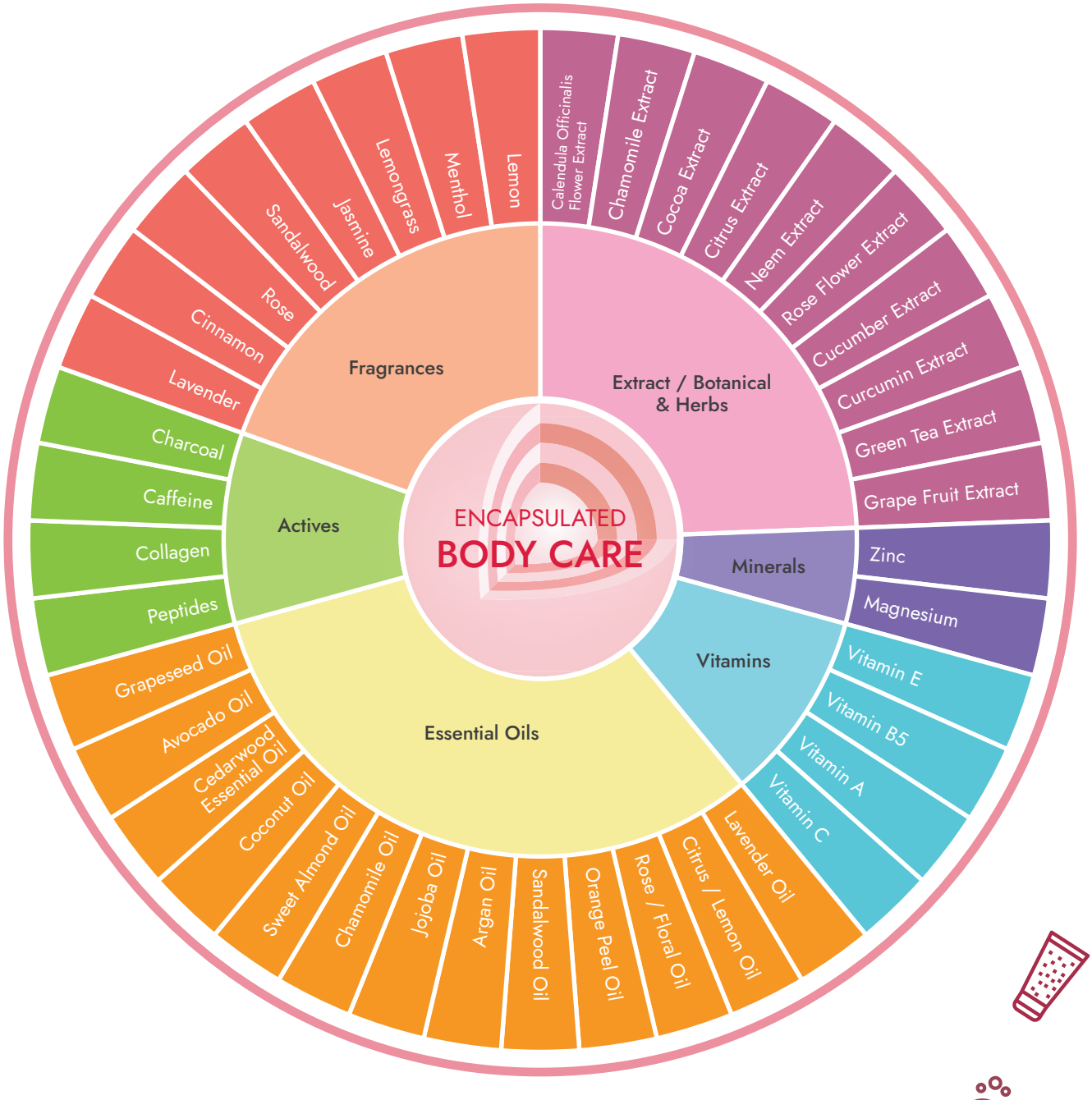


Oral Care

Transform your oral care products with our innovative encapsulated product range in various colors, shapes, and sizes. These beads/films protects active until you brush, then pop open to release their power.



BODY CARE

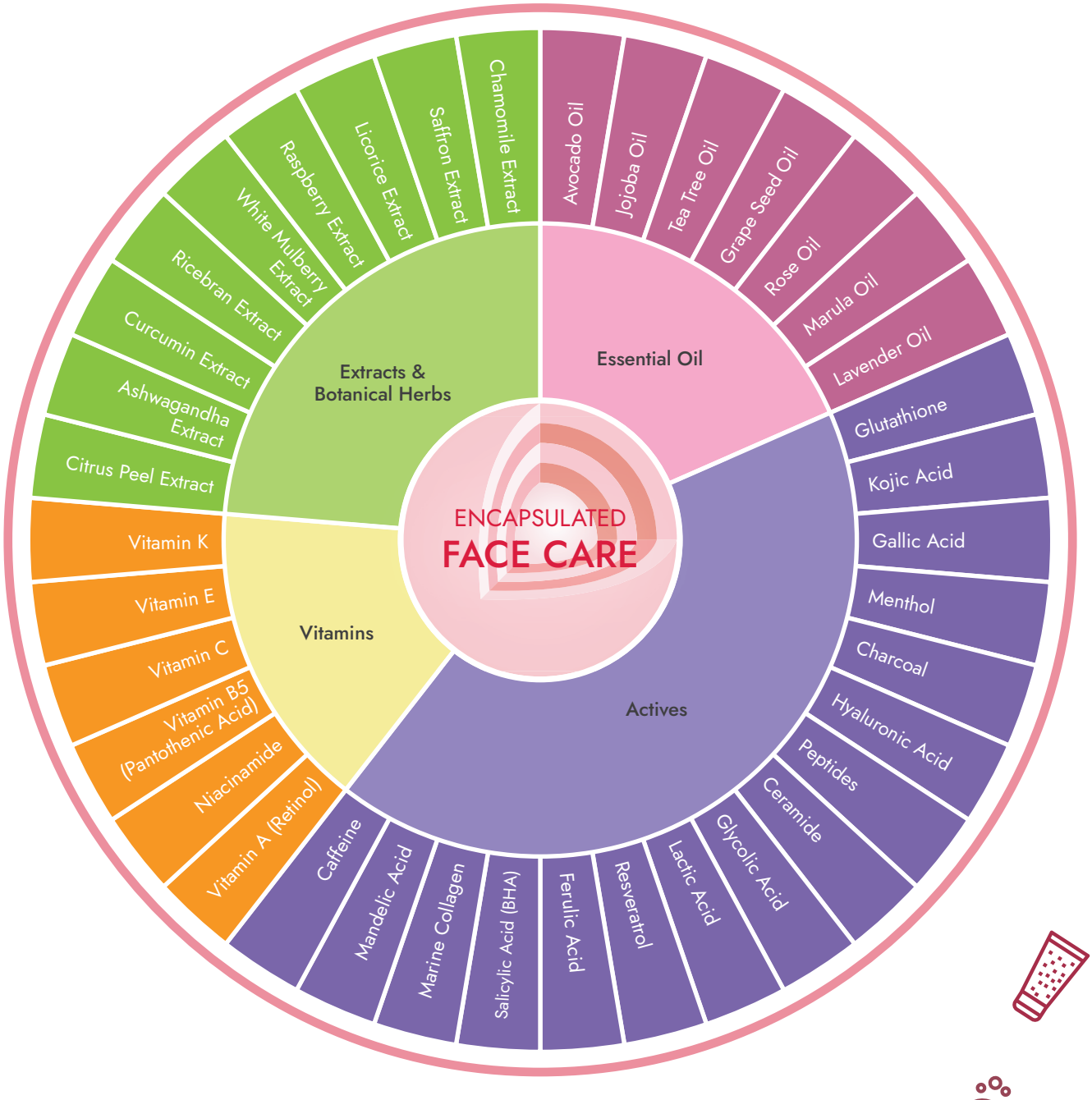


Body Care

Elevate your product's visual appeal and protect active ingredients. Indulge your customers with enhanced sensory experiences that leave a lasting impression. Transform your body care line with our innovative solutions.



FACE CARE



Face Care

Transform your face care line with our innovative encapsulated solutions to enhance visual appeal and deliver superior performance. Protect sensitive active ingredients and indulge customers with a luxurious experience.

OUR MOST REQUESTED PRODUCTS



Available Forms

- Actifilms - HPMC Based Films.
- SpraySpheres SC/SM: Encapsulated Dissolving Beads
- SpraySpheres SE: Exfoliating Beads
- Surprise Spheres SS: Colour Changing Beads.
- Encapsulated Powders:
  A. Aromasules
  B. Liposules



"We Provide Customization Based on Size, Color, Release & Actives."

Spraysphere SC/SM

Spraysphere SC consists of Lactose and Cellulose and SM consists of Mannitol and Cellulose, versatile carrier beads for personal care providing visual effects and releasing actives when applied.

Product Image	Product Code	Spraysphere SC/SM Dissolving Beads	Sizes
	SC-BK-1752-S	Black Color Small Size Beads.	(0.6-0.8mm)
	SC-BK-CH-1753-M	Charcoal Encapsulated Black Color Medium Size Beads.	(0.8-1.4mm)
	SC-BK-CH-1753-S	Charcoal Encapsulated Black Color Small Size Beads.	(0.6-0.8mm)
	SC-BK-P-1751-S	Pearly Black Color Small Size Beads.	(0.6-0.8mm)
	SC-BL-1103-S	Blue Color Small Size Beads.	(0.6-0.8mm)
	SC-BL-1109-M	Blue Color Medium Size Beads.	(0.8-1.4mm)
	SC-BL-4023-VVS	Blue Color Very Very Small Size Beads.	(0.2-0.3mm)
	SC-BL-VAE-1101-S	Vitamin A And E Encapsulated Blue Color Small Size Beads.	(0.6-0.8mm)
	SC-GO-1804-L	Gold Color Large Size Beads.	(1.4-2.0mm)
	SC-GO-VE-1804-S	Vitamin E Encapsulated Gold Color Small Size Beads.	(0.6-0.8mm)
	SC-GR-ALO-1413-M	Aloe Vera Encapsulated Green Color Medium Size Beads.	(0.8-1.4mm)
	SC-GR-MIO-4062-M	Mint Oil Encapsulated Green Color Medium Size Beads.	(0.8-1.4mm)
	SC-GR-VE-1413-VS	Vitamin E Encapsulated Green Color Very Small Size Beads.	(0.3-0.6mm)
	SC-MX-2501-L	Mix Color Large Size Beads.	(1.4-2.0mm)
	SC-MX-VE-2501-S	Vitamin E Encapsulated Mix Color Small Size Beads.	(0.6-0.8mm)
	SC-PI-1602-L	Pink Color Large Size Beads.	(1.4-2.0mm)
	SC-PI-1602-S	Pink Color Small Size Beads.	(0.6-0.8mm)
	SC-PI-VA-1011-S	Vitamin A Encapsulated Pink Color Small Size Beads.	(0.6-0.8mm)
	SC-PI-VE-1602-S	Vitamin E Encapsulated Pink Color Small Size Beads.	(0.6-0.8mm)
	SC-RE-1204-S	Red Color Small Size Beads.	(0.6-0.8mm)

Spraysphere SC/SM

Spraysphere SC consists of Lactose and Cellulose and SM consists of Mannitol and Cellulose, versatile carrier beads for personal care providing visual effects and releasing actives when applied.

Product Image	Product Code	Spraysphere SC/SM Dissolving Beads	Sizes
	SC-RE-OLV-1203-M	Olive Oil Encapsulated Red Color Medium Size Beads.	(0.8-1.4mm)
	SC-RE-VC-1216-M	Vitamin C Encapsulated Red Color Medium Size Beads.	(0.8-1.4mm)
	SC-RE-VE-1203-S	Vitamin E Encapsulated Red Color Small Size Beads.	(0.6-0.8mm)
	SC-WH-1004-VS	White Color Very Small Size Beads.	(0.3-0.6mm)
	SC-WH-JJO-1004-VS	Jojoba Oil Encapsulated White Color Very Small Size Beads.	(0.3-0.6mm)
	SC-WH-ME-1302-M	Menthol Encapsulated White Color Medium Size Beads.	(0.8-1.4mm)
	SC-WH-MIO-1002-M	Mint Oil Encapsulated White Color Medium Size Beads.	(0.8-1.4mm)
	SC-WH-VA-1010-S	Vitamin A Encapsulated White Color Small Size Beads.	(0.6-0.8mm)
	SC-WH-VE-1004-S	Vitamin E Encapsulated White Color Small Size Beads.	(0.6-0.8mm)
	SC-YE-1319-S	Yellow Color Small Size Beads.	(0.6-0.8mm)
	SC-YE-JJO-1319-S	Jojoba Oil Encapsulated Yellow Color Small Size Beads.	(0.6-0.8mm)
	SC-YE-VE-1319-S	Vitamin E Encapsulated Yellow Color Small Size Beads.	(0.6-0.8mm)
	SC-PU-VE-1801-S	Vitamin E Encapsulated Purple Color Small Size Beads.	(0.6-0.8mm)
	SC-OR-1504-VS	Orange Color Very Small Size Beads.	(0.3-0.6mm)
	SC-OR-4086-S	Orange Color Small Size Beads.	(0.6-0.8mm)
	SC-BR-VE-4074-S	Vitamin E Encapsulated Brown Color Small Size Beads.	(0.6-0.8mm)
	SC-BR-COF-1702-S	Coffee Encapsulated Brown Color Small Size Beads.	(0.6-0.8mm)
	SC-PU-TTR-1801-S	Tea Tree Oil Encapsulated Purple Color Small Size Beads.	(0.6-0.8mm)
	SC-PU-1801-L	Purple Color Large size Beads	(1.4-2.0mm)
	SC-RE-4042-VS	Red Color Very Small Size Beads	(0.3-0.6mm)

Spraysphere SE

Natural Exfoliation Spheres offer gentle yet effective exfoliation, cleansing, and nourishment for skin, featuring a natural, non-toxic, and biodegradable formula that naturally restores skin's beauty.

Product Image	Product Code	Spraysphere SE Exfoliator	Sizes
	SE-BK-4031-S	Black Color Small Size Exfoliator	(0.6-0.8mm)
	SE-BK-4031-VS	Black Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-BL-1103-S	Blue Color Small Size Exfoliator	(0.6-0.8mm)
	SE-BL-4023-M	Blue Color Medium Exfoliator	(0.8-1.4mm)
	SE-BL-4021-VS	Blue Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-BR-4074-S	Brown Color Small Size Exfoliator	(0.6-0.8mm)
	SE-BR-4073-XS	Brown Color Extra Small Size Exfoliator	(0.1-0.3mm)
	SE-BR-4078-VS	Brown Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-GO-4002-M	Gold Color Medium Exfoliator	(0.8-1.4mm)
	SE-GR-4067-VS	Green Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-GR-4068-S	Green Color Small Size Exfoliator	(0.6-0.8mm)
	SE-GR-4068-VS	Green Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-MX-4142-VS	Mix Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-MX-4124-S	Mix Color Small Size Exfoliator	(0.6-0.8mm)
	SE-OR-4086-VS	Orange Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-OR-4087-S	Orange Color Small Size Exfoliator	(0.6-0.8mm)
	SE-PI-1602-S	Pink Color Small Size Exfoliator	(0.6-0.8mm)
	SE-PI-4103-S	Pink Color Small Size Exfoliator	(0.6-0.8mm)
	SE-PI-4101-VS	Pink Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-RE-4041-VS	Red Color Very Small Size Exfoliator	(0.3-0.6mm)

Spraysphere SE

Natural Exfoliation Spheres offer gentle yet effective exfoliation, cleansing, and nourishment for skin, featuring a natural, non-toxic, and biodegradable formula that naturally restores skin's beauty.

Product Image	Product Code	Spraysphere SE Exfoliator	Sizes
	SE-RE-4042-VS	Red Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-WH-4006-XS	White Color Extra Small Size Exfoliator	(0.1-0.3mm)
	SE-WH-4010-VS	White Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-YE-1319-S	Yellow Color Small Size Exfoliator	(0.6-0.8mm)
	SE-YE-4190-XS	Yellow Color Extra Small Size Exfoliator	(0.1-0.3mm)
	SE-YE-4185-VS	Yellow Color Very Small Size Exfoliator	(0.3-0.6mm)
	SE-YE-4190-XS	Yellow Color Extra Small Size Exfoliator	(0.1-0.3mm)
	SE-PU-1801-L	Purple Color Large Size Exfoliator	(1.4-2.0mm)
	SE-PU-4205-S	Purple Color Small Size Exfoliator	(0.6-0.8mm)
	SE-PU-4161-S	Purple Color Small Size Exfoliator	(0.6-0.8mm)
	SE-BK-CH-4033-VVS	Black Color Charcoal Exfoliator	(0.2-0.3mm)
	SE-BK-CH-4033-XS	Black Color Charcoal Exfoliator	(0.15-0.25 mm)
	SE-BR-AP-4078-VS	Brown Color Apricot Shell Exfoliator	(0.3-0.6mm)
	SE-BR-BA-4121-VS	Brown Color Bamboo Shell Exfoliator	(0.3-0.6mm)
	SE-BR-CO-4082-VS	Brown Color Coconut Shell Exfoliator	(0.3-0.6mm)
	SE-BR-WL-4079-VS	Brown Color Walnut Shell Exfoliator	(0.3-0.6mm)
	SE-COF-5000-S	Brown Color Coffee Exfoliator	(0.6-0.8mm)
	SE-WH-OAT-4122-VS	White Color Oat Exfoliator	(0.3-0.6mm)
	SE-WH-RC-4005-VVS	White Color Rice Exfoliator	(0.2-0.3mm)
	SE-WH-SAL-4121-VS	White Color Salt Exfoliator	(0.3-0.6mm)

Luster Dust LD

Shining dust particles that are available in different colours, used to enhance the product's visual appearance.

Product Image	Product Code	Luster Dust
	LD-BL-12648	Blue Color Shining Dust Particles
	LD-BR-8301	Brown Color Shining Dust Particles
	LD-CU-8201	Copper Color Shining Dust Particles
	LD-GO-8162	Golden Color Shining Dust Particles
	LD-GR-12646	Green Color Shining Dust Particles
	LD-MSM-MS-8262	Silver Color Shining Dust Particles
	LD-NPI-8101	Pink Color Shining Dust Particles
	LD-OR-8081	Orange Color Shining Dust Particles
	LD-PU-8121	Purple Color Shining Dust Particles
	LD-RE-8023	Red Color Shining Dust Particles
	LD-WH-3041	White Color Shining Dust Particles
	LD-YE-3101	Yellow Color Shining Dust Particles

Surprise Spheres SS

Surprise Spheres are magic beads, also known as colour-changing beads, specially developed for cosmetic products.

Product Image	Product Code	Spraysphere SE Exfoliator	Sizes
	SS-WH-BK-3513-VS	White to Black Colour Changing Very Small Size Beads.	(0.3-0.6mm)
	SS-WH-BL-3504-S	White to Blue Colour Changing Small Size Beads.	(0.6-0.8mm)
	SS-PI-CR-3523-VS	Cream to Pink Colour Changing Very Small Size Beads.	(0.3-0.6mm)

Actifilms AF

Encapsulated HPMC-based films disappear on rubbing and are ready to disintegrate when pressure is applied.

Product Image	Product Code	Actifilms
	AF-BE-GO-4105	Golden Color Bell Shape Actifilm
	AF-GOU-RE-4033	Red Color Gourd Shape Actifilm
	AF-HE-RE-4031	Red Color Heart Shape Actifilms
	AF-M-HE-BL-4055	Blue Color Heart Shape Actifilms
	AF-MM-GO-4013	Golden Color Mickey Mouse Shape Actifilm
	AF-PE-PI-4021	Pink Color Peach Shape Actifilm
	AF-RO-RE-4024	Red Color Round Shape Actifilm
	AF-SF-GO-4107	Golden Color Snow Flakes Shape Actifilm
	AF-SF-SI-4038	Silver Color Snow Flakes Shape Actifilm
	AF-SQ-WH-ME-4501	White Color Square Shape Menthol Encapsulated Actifilms
	AF-SQ-WH-MIO-6002B	White Color Square Shape Mint Oil Encapsulated Actifilms
	AF-ST-GO-4002	Golden Color Star Shape Actifilm
	AF-ST-MEWH-4042	White Color Star Shape Menthol Encapsulated Actifilms
	AF-ST-MX-4072	Mix Color Star Shape Actifilm
	AF-ST-MX-4078	Mix Color Star Shape Actifilm
	AF-ST-WH-4042	White Color Star Shape Actifilm
	AF-ST-SI-4032	Silver Color Star Shape Actifilm

Aromasules

These are free-flowing Encapsulated fragrance powders that are designed to protect from loss and keep their maximum aroma for use .

Product Image	Product Code	Aromasules
	Basil Oil 20 %	Encapsulated Basil Oil Powder
	Menthol 30 %	Encapsulated Menthol Powder
	Lavender Oil 20 %	Encapsulated Lavender Oil Powder
	Rose Oil 20 %	Encapulated Rose Oil Powder
	Sandalwood Oil 20 %	Encapsulated Sandalwood Oil Powder
	Lemongrass Oil 20 %	Encapsulated Lemongrass Oil Powder
	Eucalyptus Oil 20 %	Encapsulated Eucalyptus Oil Powder

Liposules

These are free-flowing Encapsulated lipid powders that are used to deliver lipophilic or hydrophilic molecules to sites of action in the body

Product Image	Product Code	Liposules
	Vitamin B3 25 %	Lipid Encapsulated Vitamin B3 Powder
	Tulsi Oil 30 %	Lipid Encapsulated Tulsi Oil Powder
	Vitamin C 40 %	Lipid Encapsulated Vitamin C Powder
	Vitamin E 15%	Lipid Encapsulated Vitamin E Powder
	Melatonin 10 %	Lipid Encapsulated Melatonin Powder
	Green Tea Extract 25 %	Lipid Encapsulated Green Tea Extract Powder

Applications (SC & AF)



Transparent Gel with Dissolving Beads



Gel Toothpaste with Actifilms

Certifications

Applications (SE & AF)



Soap for Exfoliation



Soap with Actifilm

Testing



HPLC



UV



GC



Dissolution

Applications (SA & SS)



Serum with Soft Spheres



Surprise Spheres (Color Changing Beads)



ICP



Tap Density



Stability Study



Loss on Drying

Applications (SC & SE)



Gel Facewash



Gel Facescrub

Technology



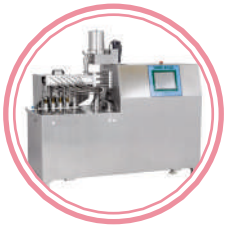
Spray Drying



Die Roller



Extruder/
Spheronizer



Hot Melt
Extruder



Fluid Bed
Dryer

Applications (SC & SE)



Shampoo with Dissolving Beads



Body Scrub



Rotary Coating



Spray Coating



Fluid Bed Coater



Freeze Dryer

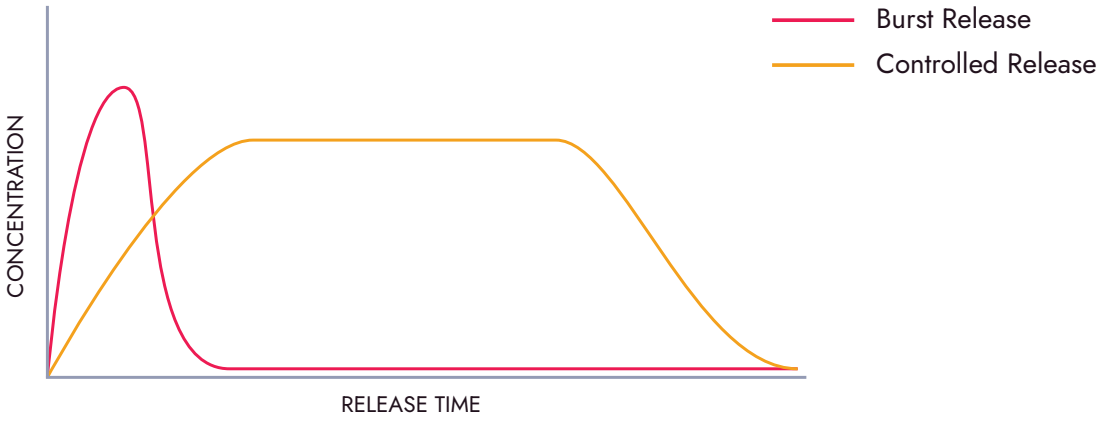


Spray Dryer/ Encapsulator

Our Customization Expertise

We offers a variety of colors, size, release and additives, allowing you to create personalized products that match your clients' style preferences. This flexibility empowers you to provide unique and visually appealing solutions.

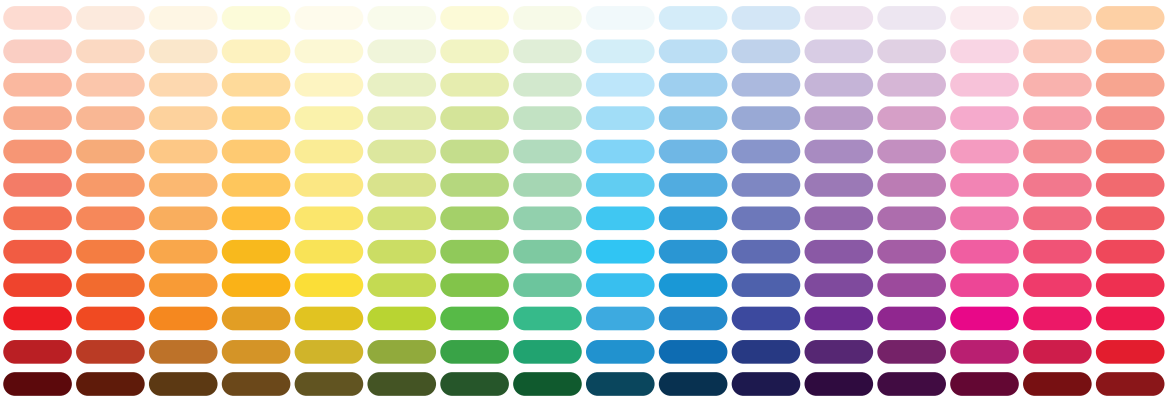
RELEASE : Burst Release & Controlled Release



NOTE: Customize your beads/spheres with tailored active release options and adjustable release times to meet your specific needs.

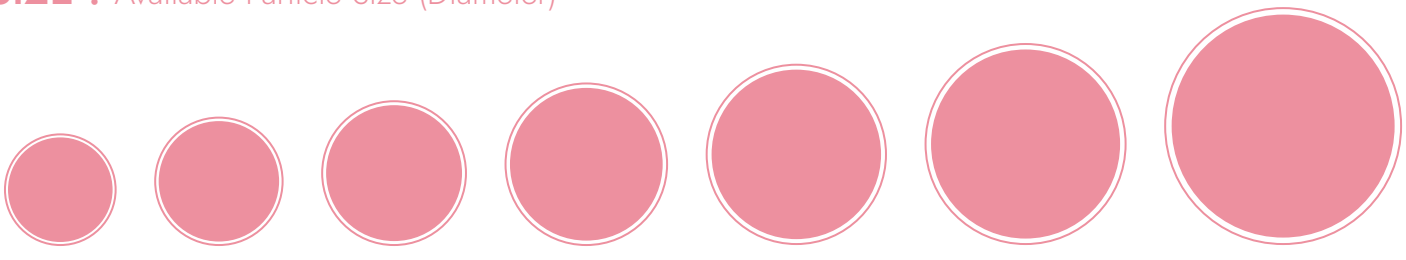
ADDITIVE : Modifications as Per Individual Requirements

COLOR : Available in Natural & Synthetic Colors



NOTE: Customize your beads and spheres with our wide range of colors or provide your own for a tailored solution to meet your exact requirements.

SIZE : Available Particle Size (Diameter)



Your Idea Our Solution...

Share your ideas, and we'll craft the perfect solution tailored to your needs. Together, we turn your customization goals into reality, ensuring seamless and effective outcomes.

Do you need dissolving beads or exfoliators?

Do you need color changing beads?

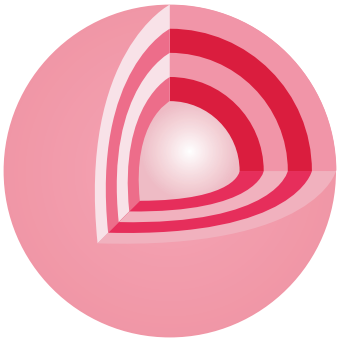
water content & viscosity of your product

Do You need odour to be masked?

Ph of your product

Liposomal powder/beadlet needed?

Active Percentage



Bulk density?

Any special packaging needed?

Any particular condition to be noted for active.

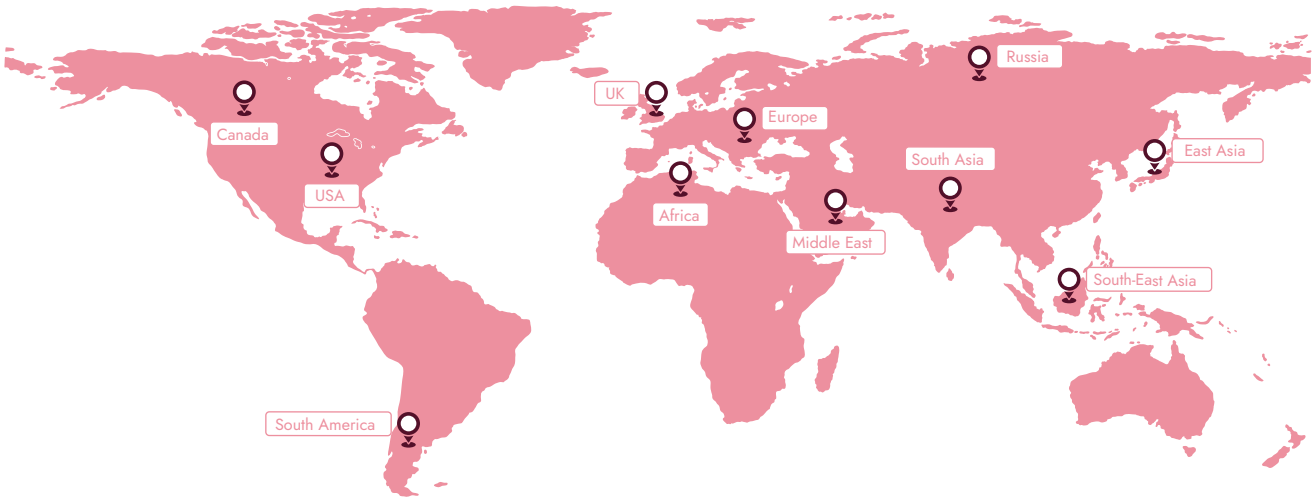
What is the end application of your product in Personal Care (Eg. Face, Body & Oral)?

What is the end application of your product in Home Care (Eg. Talcum & Detergent)?

Whether the active needed and what percentage?

Do you need luster pigment (Metallic shade)?

Our Global Reach



Umang Global Group Pvt. Ltd.
(Engineering)

Umang Encapsulation Solutions Pvt. Ltd.
(Pharma, Nutraceuticals & Food)

Umang Particle Science Pvt. Ltd.
(Personal Care)

Lab Ultima Process Technologies Pvt. Ltd.
(Spray Drying)

PERSONAL CARE | NUTRACEUTICAL | PHARMACEUTICALS | ENGINEERING | FOOD & BEVERAGES | OUR SEGMENT BOOKS

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UMANG®
encapsulation solutions

Celebrating 43 Years

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