

NATURAL & BIODEGRADABLE INGREDIENTS



SCRUB, EXFOLIANT & MASSAGE

Functions

Massage
Scrub
Visual

Design

Fiber and granule
Angular and spherical structure
White and colored
ECOCERT/COSMOS

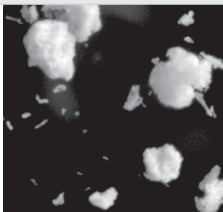
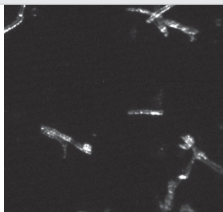
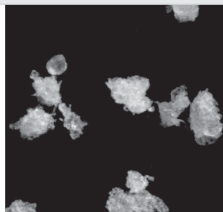
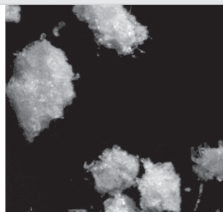


VIVAPUR® CS 450 S

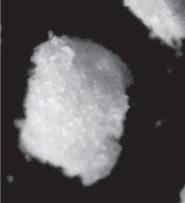
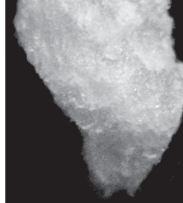
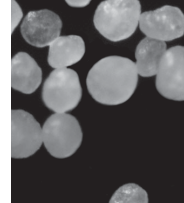
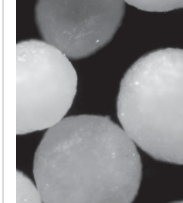
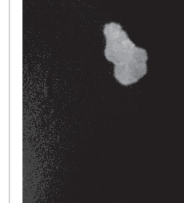
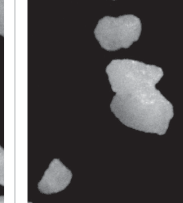
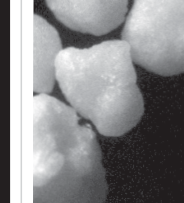
VIVAPUR® CS 150 Pink2

VIVAPUR® CS 450 Blue4

Selection White

	VIVAPUR® CS	VITACEL® CS			
					
	230 R	150 F	70 G	180 G	250 G
Abrasiveness	Gentle				
INCI	Microcrystalline Cellulose	Cellulose	Cellulose	Cellulose	Cellulose
Color	White	White	White	White	White
Structure	Granule	Fiber	Granule	Granule	Granule
Particle size	230 µm	100 µm	70 µm	180 µm	300 µm
Bulk Density	350 g/l	210 g/l	320 g/l	400 g/l	370 g/l
Specific density	1.5 g/cm³	1.4 g/cm³	1.4 g/cm³	1.4 g/cm³	1.4 g/cm³
Heavy metals	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm
Total aerobic microbial count	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
Total yeasts moulds count	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
Water binding capacity	1 g/g	4 g/g	3 g/g	3 g/g	3 g/g
Oil binding capacity	1 g/g	3 g/g	2 g/g	2 g/g	2 g/g
Acid stability	●	●	●	●	●
Alkali stability	●	●	●	●	●
Fastness to light	●	●	●	●	●
CAS-No	9004-34-6	9004-34-6	9004-34-6	9004-34-6	9004-34-6
Packaging	20 kg bag	17.5 kg carton	20 kg bag	20 kg bag	20 kg bag
Pallet weight	320 kg	315 kg	480 kg	420 kg	420 kg
Minimum order	20 kg	17.5 kg	20 kg	20 kg	20 kg

● stable ○ limited

VIVAPUR® CS						
						
400 G	700 G	150 S	450 S	310 R	150 R5	450 R5
Medium						Hard
Cellulose	Cellulose	Microcrystalline Cellulose	Microcrystalline Cellulose	Microcrystalline Cellulose	Microcrystalline Cellulose, Cellulose	Microcrystalline Cellulose, Cellulose
White	White	White	White	White	White	White
Granule	Granule	Spherical	Spherical	Angular	Angular	Angular
400 µm	700 µm	150 µm	450 µm	310 µm	150 µm	450 µm
400 g/l	470 g/l	700 g/l	700 g/l	750 g/l	700 g/l	700 g/l
1.4 g/cm³	1.4 g/cm³	1.5 g/cm³	1.5 g/cm³	1.5 g/cm³	1.5 g/cm³	1.5 g/cm³
Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm
1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
3 g/g	3 g/g	1 g/g	1 g/g	1 g/g	1 g/g	1 g/g
2 g/g	2 g/g	1 g/g	1 g/g	1 g/g	1 g/g	1 g/g
●	●	●	●	●	●	●
●	●	●	●	●	●	●
●	●	●	●	●	●	●
9004-34-6	9004-34-6	9004-34-6	9004-34-6	9004-34-6	9004-34-6	9004-34-6
20 kg bag	20 kg bag	25 kg carton	25 kg carton	25 kg carton	25 kg carton	25 kg carton
420 kg	420 kg	500 kg	500 kg	500 kg	500 kg	500 kg
20 kg	20 kg	25 kg	25 kg	25 kg	25 kg	25 kg

Selection

VIVAPUR® CS				
	 150 S	 450 S	 150 Blue4	 450 Blue4
INCI	Microcrystalline Cellulose	Microcrystalline Cellulose	Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI
CI			77510, Talc	77510, Talc
CI details			Ferric Ammonium Ferrocyanide	Ferric Ammonium Ferrocyanide
Color	White	White	Blue	Blue
Structure	Spherical	Spherical	Spherical	Spherical
Particle size	150 µm	450 µm	150 µm	450 µm
Bulk density	700 g/l	700 g/l	700 g/l	700 g/l
Specific density	1.5 g/cm³	1.5 g/cm³	1.5 g/cm³	1.5 g/cm³
Heavy metals	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm
Total aerobic microbial count	1 x 10 ² cfu/g	1 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g
Total yeasts moulds count	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
Water binding capacity	1 g/g	1 g/g	1 g/g	1 g/g
Oil binding capacity	1 g/g	1 g/g	1 g/g	1 g/g
Acid stability	●	●	●	●
Alkali stability	●	●	○	○
Fastness to light	●	●	●	●
CAS-No	9004-34-6	9004-34-6	9004-34-6 25896-00-5 14807-96-6	9004-34-6 25896-00-5 14807-96-6
Packaging	25 kg carton	25 kg carton	25 kg carton	25 kg carton
Pallet weight	500 kg	500 kg	500 kg	500 kg
Minimum order quantity	25 kg	25 kg	5 kg	5 kg

● stable ○ limited

				
150 Pink2	450 Pink2	150 Red2	450 Red2	
Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI	INCI
73360, Aluminum Hydroxide	73360, Aluminum Hydroxide	73360, Aluminum Hydroxide	73360, Aluminum Hydroxide	CI
Red 30 Lake	Red 30 Lake	Red 30 Lake	Red 30 Lake	CI details
Pink	Pink	Red	Red	Color
Spherical	Spherical	Spherical	Spherical	Structure
150 µm	450 µm	150 µm	450 µm	Particle size
700 g/l	700 g/l	700 g/l	700 g/l	Bulk density
1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³	Specific density
Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Heavy metals
5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g	Total aerobic microbial count
1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	Total yeasts moulds count
1 g/g	1 g/g	1 g/g	1 g/g	Water binding capacity
1 g/g	1 g/g	1 g/g	1 g/g	Oil binding capacity
				Acid stability
				Alkali stability
				Fastness to light
9004-34-6 2379-74-0 21645-51-2	9004-34-6 2379-74-0 21645-51-2	9004-34-6 2379-74-0 21645-51-2	9004-34-6 2379-74-0 21645-51-2	CAS-No
25 kg carton	25 kg carton	25 kg carton	25 kg carton	Packaging
500 kg	500 kg	500 kg	500 kg	Pallet weight
5 kg	5 kg	5 kg	5 kg	Minimum order quantity

Selection

VIVAPUR® CS				
	 150 Green	 450 Green	 150 Yellow	 450 Yellow
INCI	Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI	Microcrystalline Cellulose, Cellulose, CI
CI	77288	77288	77492	77492
CI details	Chromium Oxide Green	Chromium Oxide Green	Iron Oxide Yellow	Iron Oxide Yellow
Color	Green	Green	Yellow	Yellow
Structure	Spherical	Spherical	Spherical	Spherical
Particle size	150 µm	450 µm	150 µm	450 µm
Bulk density	700 g/l	700 g/l	700 g/l	700 g/l
Specific density	1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³
Heavy metals	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm
Total aerobic microbial count	5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g
Total yeasts moulds count	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
Water binding capacity	1 g/g	1 g/g	1 g/g	1 g/g
Oil binding capacity	1 g/g	1 g/g	1 g/g	1 g/g
Acid stability	●	●	●	●
Alkali stability	●	●	●	●
Fastness to light	●	●	●	●
CAS-No	9004-34-6 1308-38-9	9004-34-6 1308-38-9	9004-34-6 51274-00-1	9004-34-6 51274-00-1
Packaging	25 kg carton	25 kg carton	25 kg carton	25 kg carton
Pallet weight	500 kg	500 kg	500 kg	500 kg
Minimum order quantity	5 kg	5 kg	5 kg	5 kg

● stable ○ limited

 150 Brown	 450 Brown	 150 Charcoal	 400 Charcoal	 450 Charcoal
Microcrystalline Cellulose, Cellulose, Cl	Microcrystalline Cellulose, Cellulose, Cl	Microcrystalline Cellulose, Cellulose, Charcoal Powder	Microcrystalline Cellulose, Cellulose, Charcoal Powder	Microcrystalline Cellulose, Cellulose, Charcoal Powder
77491 77492 77499	77491 77492 77499	Charcoal Powder	Charcoal Powder	Charcoal Powder
Iron Oxide Red , Iron Oxide Yellow, Iron Oxide Black	Iron Oxide Red , Iron Oxide Yellow, Iron Oxide Black	Bamboo Charcoal Powder	Bamboo Charcoal Powder	Bamboo Charcoal Powder
Brown	Brown	Black	Black	Black
Spherical	Spherical	Spherical	Spherical	Spherical
150 µm	450 µm	150 µm	400 µm	450 µm
700 g/l	700 g/l	700 g/l	700 g/l	700 g/l
1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³	1.5 g/cm ³
Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm	Max. 10 ppm
5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g	5 x 10 ² cfu/g
1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g	1 x 10 ² cfu/g
1 g/g	1 g/g	1 g/g	1 g/g	1 g/g
1 g/g	1 g/g	1 g/g	1 g/g	1 g/g
●	●	●	●	●
●	●	●	●	●
●	●	●	●	●
9004-34-6 1309-37-1 51274-00-1 1317-61-9	9004-34-6 1309-37-1 51274-00-1 1317-61-9	9004-34-6 16291-96-6	9004-34-6 16291-96-6	9004-34-6 16291-96-6
25 kg carton	25 kg carton	25 kg carton	25 kg carton	25 kg carton
500 kg	500 kg	500 kg	500 kg	500 kg
5 kg	5 kg	5 kg	5 kg	5 kg

● stable ○ limited

Characteristics

Comparison to Polyethylene and others

Main functions	JRS Cellulose / Microcrystalline Cellulose	Poly- ethylene	Cellulose Acetate	Silica	Nylon	Jojoba	Nut Shells	Poly Lactic Acid	Syn- thetic Wax
White color	●	●	●	●	●	●	○	●	●
Readily biodegradable	●	○	○	○	○	●	●	○	○
Made from renewable resources	●	○	●	○	○	●	●	●	○
ECOCERT/COSMOS certified	●	○	○	●	○	●	●	○	○
Safe and edible	●	○	○	●	○	○	●	○	○
Safe food for animals	●	○	○	○	○	○	●	○	○
Ecofriendly	●	○	○	●	○	●	●	○	○
Thermostable	●	●	●	●	●	○	●	○	○
Compatible with all other Ingredients	●	●	●	●	●	●	●	○	●
Marketing advantage	●	○	○	○	○	●	●	○	○

● yes ○ no

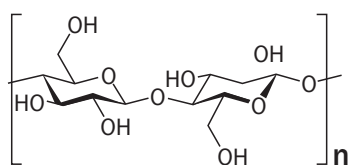
THE BEST ALTERNATIVE is JRS Cellulose / Microcrystalline Cellulose !

Comparison to Cellulose Acetate

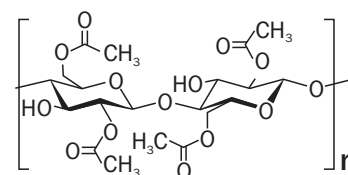
JRS Cellulose / Microcrystalline Cellulose

versus

Cellulose Acetate



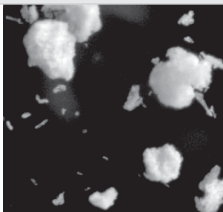
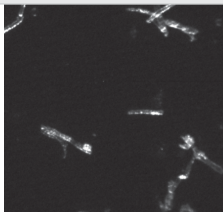
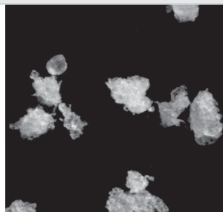
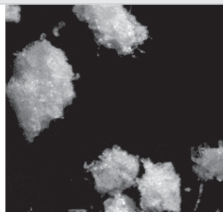
n = more than 200

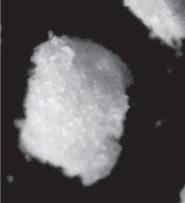
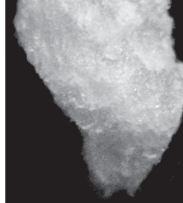
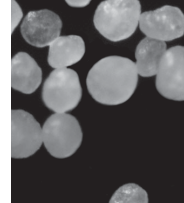
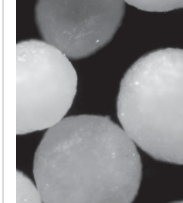
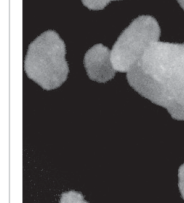
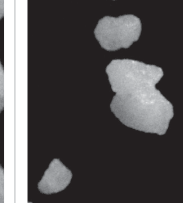
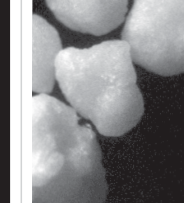


↔

INCI: Cellulose/Microcrystalline Cellulose	↔	INCI: Cellulose Acetate
CAS No 9004-34-6	↔	CAS No 9004-35-7
Molecular weight: 324 g·mol ⁻¹	↔	Molecular weight: 492 g·mol ⁻¹
Natural and safe	↔	Environmentally unfriendly
Excellent biodegradable	↔	Very poor biodegradable
Edible	↔	Not edible
ECOCERT/COSMOS certified	↔	No ECOCERT/COSMOS certification
Natural. It is not plastic like polyethylene	↔	It is plastic like polyethylene

Characteristics

	VIVAPUR® CS	VITACEL® CS			
					
	230 R	150 F	70 G	180 G	250 G
ECOCERT/ COSMOS	Available	Available	Available	Available	Available
Biodegradable	Readily	Readily	Readily	Readily	Readily
Ecofriendly	Yes	Yes	Yes	Yes	Yes
Natural origin	Wood	Wood	Wood	Wood	Wood
Safe and edible	Yes	Yes	Yes	Yes	Yes
Odor	Odor free	Odor free	Odor free	Odor free	Odor free
Taste	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Solubility in water	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Solubility in oil	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Solubility in organic solvents	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Inert in formulation	Yes	Yes	Yes	Yes	Yes
Hydrophilic	Yes	Yes	Yes	Yes	Yes
Lipophilic	Yes	Yes	Yes	Yes	Yes
Usage	Cold or hot process	Cold or hot process	Cold process	Cold process	Cold process
Implementation in production process	End	Anytime	End	End	End
Influence on pH-Value	No influence	No influence	No influence	No influence	No influence
pH-stability	pH 2 - pH 13	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11
Thermostability	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C

VIVAPUR® CS						
						
400 G	700 G	150 S	450 S	310 R	150 R5	450 R5
Available	Available	Available	Available	Available	Available	Available
Readily	Readily	Readily	Readily	Readily	Readily	Readily
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wood	Wood	Wood	Wood	Wood	Wood	Wood
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Odor free	Odor free	Odor free	Odor free	Odor free	Odor free	Odor free
Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cold process	Cold process	Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process
End	End	End	End	End	End	End
No influence	No influence	No influence	No influence	No influence	No influence	No influence
pH 3 - pH 11	pH 3 - pH 11	pH 2 - pH 13	pH 2 - pH 13	pH 5 - pH 7.5	pH 2 - pH 13	pH 2 - pH 13
Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C

Characteristics

VIVAPUR® CS				
	 150 S	 450 S	 150 Blue4	 450 Blue4
ECOCERT/COSMOS 	Available	Available	Available	Available
Biodegradable	Readily	Readily	Readily	Readily
Ecofriendly	Yes	Yes	Yes	Yes
Natural origin	Wood	Wood	Wood	Wood
Safe and edible	Yes	Yes	–	–
Odor	Odor free	Odor free	Odor free	Odor free
Taste	Tasteless	Tasteless	Tasteless	Tasteless
Solubility in water	Insoluble	Insoluble	Insoluble	Insoluble
Solubility in oil	Insoluble	Insoluble	Insoluble	Insoluble
Solubility in organic solvents	Insoluble	Insoluble	Insoluble	Insoluble
Inert in formulation	Yes	Yes	Yes	Yes
Hydrophilic	Yes	Yes	Yes	Yes
Lipophilic	Yes	Yes	Yes	Yes
Usage	Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process
Implementation in production process	End	End	End	End
Influence on pH-value	No influence	No influence	No influence	No influence
pH-stability	pH 2 - pH 13	pH 2 - pH 13	pH 3 - pH 9	pH 3 - pH 9
Thermostability	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C

 150 Pink2	 450 Pink2	 150 Red2	 450 Red2	
Not available	Not available	Not available	Not available	 ECOCERT/COSMOS
Readily	Readily	Readily	Readily	Biodegradable
Yes	Yes	Yes	Yes	Ecofriendly
Wood	Wood	Wood	Wood	Natural origin
–	–	–	–	Safe and edible
Odor free	Odor free	Odor free	Odor free	Odor
Tasteless	Tasteless	Tasteless	Tasteless	Taste
Insoluble	Insoluble	Insoluble	Insoluble	Solubility in water
Insoluble	Insoluble	Insoluble	Insoluble	Solubility in oil
Insoluble	Insoluble	Insoluble	Insoluble	Solubility in organic solvents
Yes	Yes	Yes	Yes	Inert in formulation
Yes	Yes	Yes	Yes	Hydrophilic
Yes	Yes	Yes	Yes	Lipophilic
Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process	Usage
End	End	End	End	Implementation in production process
No influence	No influence	No influence	No influence	Influence on pH-value
pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11	pH-stability
Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C	Thermostability

Characteristics

VIVAPUR® CS				
	 150 Green	 450 Green	 150 Yellow	 450 Yellow
ECOCERT/COSMOS 	Available	Available	Available	Available
Biodegradable	Readily	Readily	Readily	Readily
Ecofriendly	Yes	Yes	Yes	Yes
Natural origin	Wood	Wood	Wood	Wood
Safe and edible	–	–	–	–
Odor	Odor free	Odor free	Odor free	Odor free
Taste	Tasteless	Tasteless	Tasteless	Tasteless
Solubility in water	Insoluble	Insoluble	Insoluble	Insoluble
Solubility in oil	Insoluble	Insoluble	Insoluble	Insoluble
Solubility in organic solvents	Insoluble	Insoluble	Insoluble	Insoluble
Inert in formulation	Yes	Yes	Yes	Yes
Hydrophilic	Yes	Yes	Yes	Yes
Lipophilic	Yes	Yes	Yes	Yes
Usage	Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process
Implementation in production process	End	End	End	End
Influence on pH-value	No influence	No influence	No influence	No influence
pH-stability	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11
Thermostability	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C

 150 Brown	 450 Brown	 150 Charcoal	 400 Charcoal	 450 Charcoal
Not available	Not available	Available	Available	Available
Readily	Readily	Readily	Readily	Readily
Yes	Yes	Yes	Yes	Yes
Wood	Wood	Wood, Bamboo	Wood, Bamboo	Wood, Bamboo
–	–	Yes	Yes	Yes
Odor free	Odor free	Odor free	Odor free	Odor free
Tasteless	Tasteless	Tasteless	Tasteless	Tasteless
Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process	Cold or hot process
End	End	End	End	End
No influence	No influence	No influence	No influence	No influence
pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11	pH 3 - pH 11
Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C	Up to 120 °C



Functions

Massage
Peeling
Scrub
Exfoliation
Visual
Scrub

Rolling
Plastic-microbeads replacement
Wax replacement
Silica replacement
abrasive
No bleeding

Description

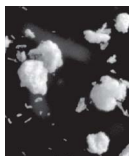
Do you like flexibility in abrasiveness as well as safe, edible and ecofriendly exfoliants ?

In this case our Exfoliants are the right products for you. Our product is fast and easily biodegradable, made from renewable resources, ECOCERT/COSMOS certified, thermostable and compatible with all other ingredients. It is available in white, black or in different colors like red, green, yellow, blue and pink. The particle structure is spherical, angular, granular or fibrous.

The best alternative to all kinds of microplastics like polyethylene, cellulose acetate, polyamide, Nylon or polylactic acid and thermally instable products like jojoba and synthetic waxes.

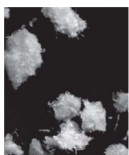
We believe in sustainability, quality and total care for our environment and animals.

Our selection is as follows:



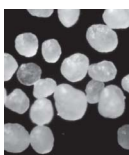
VIVAPUR® CS 230 R

The **CS 230 R** is the **gentlest one**. The single particles are noticeable when you put it on, but after a while on using on the skin they get smoother and smoother. Therefore you can use it as soft bead and create a very new skin feel.



VITACEL® CS G-Types

Our series of the G-types could be used as scrub for any formulation you want to create. They are **all abrasive** but also soft on your skin. You can choose from a lot of different grades which increase in their abrasiveness and create an individual skin feel. You can also control the skin feel by adding more or less of them into your product.



VIVAPUR® CS S-Types

Massage effects are one of the loveable skin feels for the user. The S-types are the perfect decision for that. You can sense the pleasurable feeling on the skin. If you want a low massage effect, just put some of them into your product. If you want a stronger massage effect put some more into. You're going to love the gentle massage effect.



VIVAPUR® CS R5-Types

Do you like a **very abrasive** feeling? The grades of the R5-types are the most abrasive ones.

Gentle

Medium

Hard



SCRUB, EXFOLIANT & MASSAGE

Application Guide

Our products can be dispersed with the usual equipment used in the cosmetic industry. Add NATURAL EXFOLIANTS at the latest step into your formulation and mix carefully with low shear forces for some minutes until homogenous distributed, depending on viscosity. It can be incorporated at room temperature and without activation.

Use Level

2 % to 15 %

WINNER PCHi 2017
Fountain AWARD
Category, Green/Sustainable'
VITACEL® CS 250 G



Formulations

Gentle Face Peeling

SKC93.16.25 Gentle exfoliation, Fine sand effect, Milky texture

Phase	Ingredient	INCI	Function	%
A	Demineralized water	Aqua	Solvent	66.2
	Glucono-Delta-Lactone	Gluconolactone	Chemical exfoliant	8.0
B	20% sodium hydroxyde solution	Sodium Hydroxide & Aqua	pH adjuster	8.0
C	Trisodium Citrate Dihydrate	Sodium Citrate	Buffer agent	1.5
	Citric Acid Monohydrate	Citric Acid	Buffer agent	0.5
D	Microcare® NB (THOR PC)	Sodium Benzoate	Preservative	0.5
	Sodium Gluconate	Sodium Gluconate	Chelating agent	0.2
	MPG-V	Propylene Glycol	Humectant	3.0
	Glycerine 99.5% AMI COLZA	Glycerin	Moisturizer	2.0
E	VIVAPUR® CS 032 XV	Microcrystalline Cellulose & Xanthan Gum	Stabilizer Thickener	3.0
	VIVAPUR® CS 150 S	Microcrystalline Cellulose	Peeling Massage	7.0
F	Perfume (MANE)	Parfum	Perfume	0.1

Formulated by AMI CHIMIE, France

Percentage of NATURAL with formulation water 72.7 %

Percentage of NATURAL ORIGIN with formulation water 97.9 %

Process

Mix phase A at room temperature and then heat to 65 °C for 15 min.

Then cool before adjusting the pH to 5 with the 20% sodium hydroxide solution (phase B). Add phase C with stirring until complete dissolution. Disperse the ingredients of phase D one by one and then make the gel by integrating phase E (hydration 1 minute at 600 - 800 rpm and strongly mix at 2 200 rpm for 15 minutes). Then add the scrub and the perfume.

Characteristics

pH: 5.0

Viscosity (Brookfield, RVT, spindle 4, speed 10): 7 000 – 10 000 mPas



SCRUB, EXFOLIANT & MASSAGE

Formulations

Refreshing Natural Mild Scrub

Phase	Ingredient	INCI	Function	%
A	Demineralized Water	Aqua		86.3
	Glycerine	Glycerine	Humectant	3.0
	Sylisyl	Hydrogenated Polyisobutane	Emollient	1.0
B	VITACEL® CS 150 F	Cellulose	Scrubbing / Exfoliating agent	6.0
	VITACEL® CS 250 G	Cellulose	Scrubbing / Exfoliating agent	1.0
	Lumiflora Peony	Paeonia Lactiflora Flower Extract (100%)	Scrubbing	1.0
	Kvopol - SG	Polyacrylamide, C13-14 ISOPARAFFIN, LAURETH - 7	Exfoliating agent	1.2
	Fragrance	Fragrance	Whitening agent	0.2
	Preservative	Preservative	Emulsifier	0.3

Formulated by KVL

Process

As per order, add the ingredients one by one with continuous mixing.

Formulations

Scrub Detox for Asphyxiated Scalp

HBO48.16.17

Phase	Ingredient	INCI	Functions	%
A	Demineralized water	Aqua	Solvent	72.3
	Erylite®	Erythritol	Moisturizing / Easy detangling	5.0
	Dehyquart® A-CA	Aqua & Cetrimonium Chloride & Citric Acid	Conditioner	4.0
B	Cosmedia® triple C	Polyquaternium-37 & Dicaprylyl Carbonate & Lauryl Glucoside	Cationic polymer / Conditioner	2.5
C	Lanette® O OR	Cetearyl alcohol	Consistency factor	2.0
D	Eumulgin® L	PPG-1-PPG-9 Lauryl Glycol Ether	Solubilizer	1.0
	Sanicapyl™ BC 10030	Sodium Lauroyl Lactylate & Sodium Caproyl Lactylate & Butylene Glycol & Piper Nigrum Fruit Extract & Inga Alba Bark Extract	Antimicrobial effect, anti-inflammatory, moisturizer for the hair and scalp	1.0
	Perfume Hair Vital (Bell)	Parfum	Perfume	0.2
E	Plantasil® MICRO	Aqua & Dicaprylyl Ether & Decyl Glucoside & Glyceryl Oleate & Benzoic Acid & Citric Ac	Conditioner	2.0
	Plantacare® 818 UP	Aqua & Coco-Glucoside	TA non-ionic	4.0
F	Geogard™ ECT (Lonza/CQMassó)	Benzyl Alcohol & Salicylic Acid & Glycerin & Sorbic Acid	Preservative	1.0
G	VIVAPUR® CS 400 Charcoal	Microcrystalline Cellulose, Cellulose, Charcoal Powder	Exfoliating massage, Visual effect	1.0
	VIVAPUR® CS 450 R5	Microcrystalline Cellulose, Cellulose	Scrubbing effect	4.0

Formulated by AMI CHIMIE, France

Process

Mix Phase A and heat to 65 °C.

Add Cosmedia® triple C in phase A, under agitation during 20 min.

Add Lanette® O OR, heated at 65 °C, in the phase A + B at 65 °C.

At T° < 40 °C add premix D then phases E, F and G under low agitation.

Characteristics

pH: 4.0 – 4.1

Viscosity (Brookfield, RVT, spindle 6, speed 20): 10 000 – 10 500 mPas

Formulations

Soft Skin Exfoliating Cream

HB048.16.06

Phase	Ingredient	INCI	Function	%
A	Demineralized Water	Aqua	Solvent	43.65
	Erylite®	Erythritol	Moisturizer	3.0
	Sodium gluconate granular	Sodium Gluconate	Chelating agent	0.2
	Plantacare® 818 UP	Coco-Glucoside	Non-ionic surfactant	5.0
	Xanthan Gum XG FNPC PC	Xanthan Gum	Stabilizer	0.2
B	Cosmedia® SP	Sodium Polyacrylate	Emulsifying Polymer	1.2
C	Eumulgin® BA 25	Beheneth-25	Emulsifier H/E	1.0
	Emulgade® Sucro plus	Sucrose Polystearate & Cetyl Palmitate	Emulsifier H/E	4.0
	Cegesoft® VP	Olus Oil & Hydrogenated Vegetable Oil & Candelilla Cera	Vegetal butter	2.0
	Cetiol® CC	Dicaprylyl Carbonate	Emollient	4.0
	Cutina® HVG	Hydrogenated Vegetable Glycerides	Consistency	2.0
	Cetiol® C5	Coco-Caprylate	Emollient	2.0
	Myritol® 331	Coco-Glycerides	Emollient	4.0
	Cetiol® PGL	Hexyldecanol & Hexyldecyl Laurate	Emollient	3.0
	Lanette® O OR	Cetearyl Alcohol	Consistency	1.0
D	Euxyl K 350 (SCHÜLKE)	Phenoxyethanol & Methylparaben & Ethylparaben & Ethylhexylglycerin & Propylene Glycol	Preservative	1.4
	Tinogard® TL	Benzotriazolyl Dodecyl p-Cresol	Stabilizer UV	0.1
	Tinogard® Q	Tris (Tetramethylhydroxypiperidinol) Citrate & Water & Ethanol	Quencher	0.05
	Perfume fresch ted (ROBERTET)	Parfum	Perfume	0.2
	VITACEL® CS 70 G or	Cellulose	Exfoliant	5.0
	VITACEL® CS 180 G or	Cellulose	Exfoliant	5.0
	VITACEL® CS 250 G or	Cellulose	Exfoliant	5.0
	VIVAPUR® CS 230 R	Microcrystalline Cellulose	Exfoliant	7.0

Formulated by AMI CHIMIE, France

Process

Add ingredients of phase A into water under agitation. Warm phases A and C to 80 °C. Disperse phase B in phase A and let swelling under agitation for 20 minutes. When the two phases are homogeneous emulsify by dispersing phase C into the mixture A + B under high shear. Maintain high shear for 10 minutes. Let cooling under moderate agitation with a cool water bath. Emulsion becomes homogeneous and shining around 45 °C. At 30 – 35 °C, add ingredients of phase D one by one under agitation.

Characteristics

pH: 6.3 – 6.5

Viscosity (Brookfield, RVT, spindle 6, speed 20): 24 000 – 28 000 mPas

Shower Gel-Oxygen

HBO43.15.23

Phase	Ingredient	INCI	Function	%
A	Demineralized Water	Aqua	Solvent	Qsp
	Dehyquart® CC7 Benz	Polyquaternium-7	Conditioner	2.0
	Dehyton® PK 4	Cocamidopropyl Betaine	Amphoteric surfactant	3.8
	Texapon® N70	Sodium Laureth Sulfate	Anionic surfactant	13.0
	Rheocare® TTA	Acrylates copolymer	Suspension Polymer	7.0
	Plantacare® 818 UP	Coco-Glucoside	Non-ionic surfactant	5.0
	Lamesoft® PO 65	Coco-Glucoside, Glyceryl Oleate	Moisturizer	2.0
	Preservative		Preservative	Qsp
B	Sodium Hydroxide (20%)	Sodium Hydroxide	Adjust pH	0.98
C	NaCl	Sodium Chloride	Rheology modifier	Qsp
D	VITACEL® CS 250 G	Cellulose	Exfoliant, Massage	2.5
	VIVAPUR® CS 450 Pink2 or	Microcrystalline Cellulose / Cellulose / CI 73360	Colored exfoliants bead	0.8
	VIVAPUR® CS 450 Blue4 or	Aluminium Hydroxide		
	VIVAPUR® CS 450 Charcoal	Microcrystalline Cellulose / Cellulose / CI 77510 Talc Microcrystalline Cellulose / Cellulose /Charcoal Powder		0.8 0.8

Formulated by AMI CHIMIE, France

Process

Add ingredients of phase A into water one by one under middle agitation, be careful to have something well homogenized after each adding of ingredients.

Add phase B and then phase C.

Adjust pH with NaOH solution.

Characteristics

pH : 6,3– 6,7

Viscosity(Brookfield, RVT, spindle 4, speed 10) : 14 000 – 18 000 mPas



SCRUB, EXFOLIANT &
MASSAGE



SKIN CARE



HAIR CARE



ORAL CARE



SUN CARE



BABY CARE



COLOR

NATURAL & BIODEGRADABLE INGREDIENTS

JRS – Global Manufacturer of Natural Ingredients

Family-owned company

Established in 1878

More than 2500 employees

Headquarters in Germany

Global service and availability

Local support in your language

ISO 9001 certified

Global seminars/trainings

High-Functional Ingredients by JRS

Highest quality and purity

Tailor-made products

Full product regulatory information

Excellent price-performance ratio

Natural

Made from
renewable resources

Eco-friendly

ECOCERT/COSMOS

Skin-friendly



Readily
biodegradable

Safe and edible

Non-GMO

Vegan

Halal & Kosher

J. RETTENMAIER & SÖHNE
GMBH + CO KG



Fibers designed
by Nature

www.jrspersonalcare.com

WORLDWIDE HEADQUARTERS

BU Home & Personal Care
73494 Rosenberg (Germany)
personalcare@jrs.de