



PRODUCT HIGHLIGHTS

PLANT & OCEAN BASED INGREDIENTS

J. RETTENMAIER & SÖHNE
GMBH + CO KG



Fibers designed
by Nature

PLANT & OCEAN BASED INGREDIENTS







Should we protect our environment?

Where do the cosmetic ingredients come from? These are important questions for all of us. Nature is a source of life. It provides us with oxygen, water, light, food and health. Therefore JRS offers only sustainable, 100 % natural origin and biodegradable ingredients. That will be the future path in cosmetics.

Please take advantage of our exceptional.

PLANT & OCEAN BASED INGREDIENTS derived from wood, seaweed and one year plants.

	DECORATIVE	Page 06 - 09
	HAIR	Page 10 - 13
	HYGIENE	Page 14 - 15
	ORAL	Page 16 - 17
	SKIN	Page 18 - 23
	SUN	Page 24 - 25
	CUSTOMER SERVICE	Page 26 - 27

SUSTAINABLE. BIODEGRADABLE. 100 % NATURAL ORIGIN.



ORANGE



APPLE



POTATO



BAMBOO



OAT



GREEN TEA



CORN



ALGAE



WOOD

Feel good, feel natural. Performance by nature.

Sustainable ingredients are our passion. Together with our customers we create solutions that protect our planet and improve the quality of cosmetic products. Available in three categories:

SCRUBS & ABRASIVES

Appearance:

- white
- colored

Structures:

- fibers
- granules
- spheres

Sizes:

- from 70 µm
up to 700 µm

RHEOLOGY MODIFIER

Appearance:

- white gels or
- clear gels

Viscosity:

- from low up to very high

Properties:

- suspending
- thickening

SENSORY IMPROVER

Appearance:

- white
- colored

Structures:

- particles
- pearls and
- fibers

Sizes:

- from 4 µm
up to 2000 µm

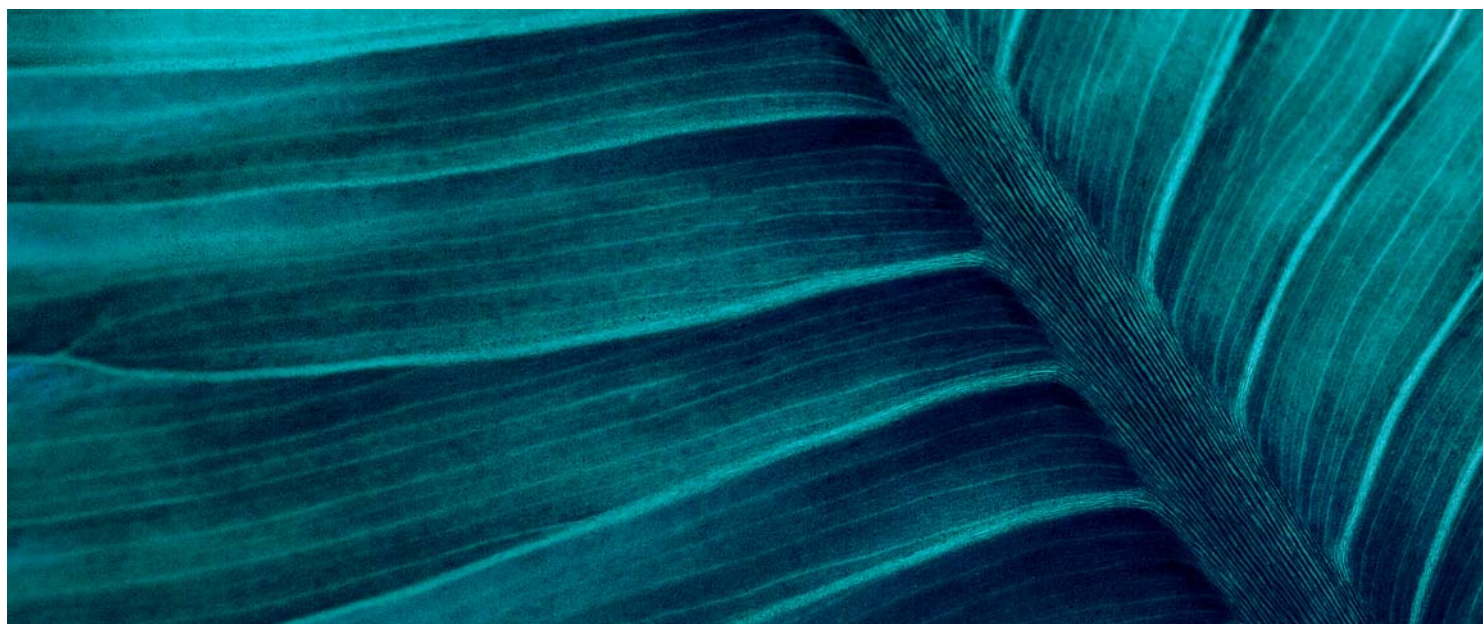
MAIN PRODUCTS BY INCI AND ISO 16128

SCRUBS & ABRASIVES

Product Name	INCI	ISO 16128
VITACEL® CS 150 F	Cellulose	100 % natural origin
VITACEL® CS 70 G	Cellulose	100 % natural origin
VITACEL® CS 250 G	Cellulose	100 % natural origin
VITACEL® CS 300 Soft	Cellulose	100 % natural origin
VIVAPUR® CS 230 R	Microcrystalline Cellulose	100 % natural origin
VIVAPUR® CS 150 S	Microcrystalline Cellulose	100 % natural origin
VIVAPUR® CS 400 Charcoal	Microcrystalline Cellulose, Cellulose, Charcoal powder	100 % natural origin

RHEOLOGY MODIFIER

Product Name	INCI	ISO 16128
VIVAPUR® CS TEX Sun	Microcrystalline Cellulose, Cellulose Gum	96.2 % natural origin
VIVAPUR® CS TEX Easy	Microcrystalline Cellulose, Xanthan Gum, Cellulose Gum	98.9 % natural origin
VIVAPUR® CS TEX Wet Wipe	Microcrystalline Cellulose, Cellulose Gum	94.6 % natural origin
VIVASTAR® CS 142 HV	Hydroxypropyl Methylcellulose	77.7 % natural origin
VIVASTAR® CS 052 Alginate	Algin	100 % natural origin



SENSORY IMPROVER

Product Name	INCI	ISO 16128
VITACEL® CS 20 FC	Cellulose	100 % natural origin
VIVAPUR® CS 4 FM	Microcrystalline Cellulose	100 % natural origin
VIVAPUR® CS 9 FM	Microcrystalline Cellulose	100 % natural origin
VIVAPUR® CS Sensory 5	Microcrystalline Cellulose	100 % natural origin
VIVAPUR® CS Sensory 12	Microcrystalline Cellulose	100 % natural origin
VIVAPUR® CS Sensory 15 S	Microcrystalline Cellulose, Cellulose Gum	99.3 % natural origin
VITACEL® CS 5 Apple	Pyrus Malus Fiber	100 % natural
VITACEL® CS 7 Orange	Citrus Aurantium Dulcis (Orange) Peel Powder	100 % natural
VITACEL® CS 5 Oat	Avena Sativa (Oat) Bran	100 % natural
VITACEL® CS 8 Green Tea	Camellia Sinensis Leaf Powder	100 % natural
VIVASTAR® CS INSTANT Powder	Sodium Carboxymethyl Starch	90.6 % natural origin



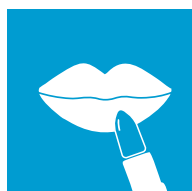


DECORATIVE

Create unique color cosmetic products with our plant-based additives. We offer wrinkle fillers, natural colored powders and a soft skin sensation.







PRODUCTS FOR DECORATIVE COSMETICS

ANTI-WRINKLE

VIVAPUR® CS 4 FM

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	4 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ mattifying ■ anticaking

NATURAL COLORED POWDERS

VITACEL® CS 7 Orange

INCI	Citrus Aurantium Dulcis (Orange) Peel Powder
Appearance	beige powder
Sustainable	yes
Natural origin	orange
ISO 16128	100 % natural
Biodegradable	readily
Particle size	7 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 80 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking

VITACEL® CS 5 Apple

INCI	Pyrus Malus Fiber
Appearance	brown powder
Sustainable	yes
Natural origin	apple
ISO 16128	100 % natural
Biodegradable	readily
Particle size	5 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 80 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking

VITACEL® CS 5 Oat

INCI	Avena Sativa (Oat) Bran
Appearance	white powder
Sustainable	yes
Natural origin	oat
ISO 16128	100 % natural
Biodegradable	readily
Particle size	5 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking

VITACEL® CS 8 Green Tea

INCI	Camellia Sinensis Leaf Powder
Appearance	green powder
Sustainable	yes
Natural origin	green tea
ISO 16128	100 % natural
Biodegradable	readily
Particle size	8 µm
Structure	particle
Total aerobic microbial count	max. 5x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 80 °C
pH-stability	pH 5 to pH 7
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking



REPLACE SYNTHETICS ! INCREASE THE NATURALNESS OF YOUR FORMULATION

PMMA, SILICONE POWDER, SILICA POWDER,
NYLON, SILICA BEADS **ALTERNATIVE:**

VIVAPUR® CS Sensory 5

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	5 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none">■ soft touch■ adhesion■ absorption

POLYETHYLENE POWDER **ALTERNATIVE:**

VIVAPUR® CS 9 FM

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	9 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	from pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none">■ absorption■ anticaking■ mattifying

BORON NITRIDE **ALTERNATIVE:**

VIVAPUR® CS 4 FM

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	4 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none">■ wrinkle filler■ mattifying■ anticaking

VIVAPUR® CS Sensory 15 S

INCI	Microcrystalline Cellulose, Cellulose Gum
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	99.3 % natural origin
Biodegradable	readily
Particle size	15 µm
Structure	pearls
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none">■ fluidity and lubricity■ spreadability

NYLON **ALTERNATIVE:**

VIVAPUR® CS Sensory 12

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	12 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none">■ sensory enhancer■ mattifying■ absorption



HAIR

We serve ingredients for any kind of hair care application. Create your personal instant product, fill up your solid products for more volume and get organic gels.





PRODUCTS FOR HAIR CARE

Good to know:

Our stabilizer for Hair Care applications **VIVAPUR® CS TEX Easy**, is a **natural alternative** to liquid plastics like Alkyl Acrylate Crosspolymer and Carbomer.

SULFATE FREE SHAMPOO, CONDITIONER, HAIR SPRAY

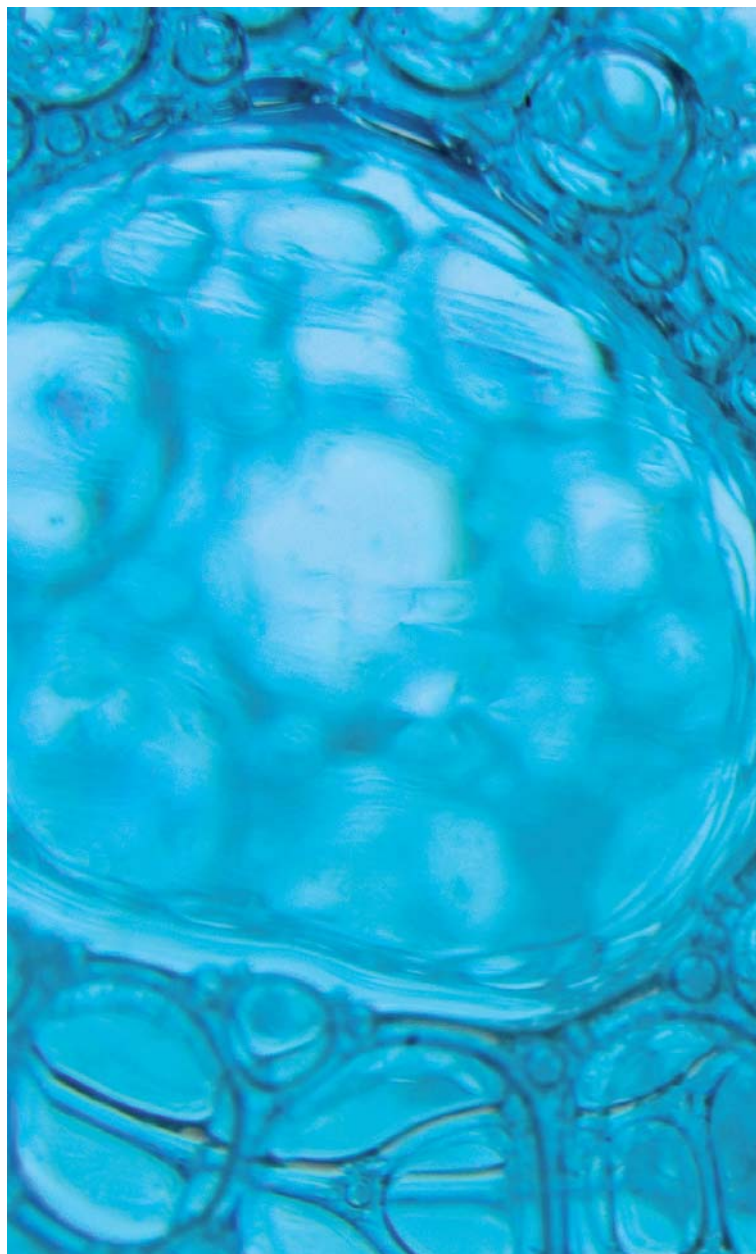
VIVAPUR® CS TEX Easy

INCI	Microcrystalline Cellulose, Xanthan Gum, Cellulose Gum
Appearance	white powder
Clarity	white gel
Viscosity (2 %)	~ 3 500 mPas
Sustainable	yes
Natural origin	wood, polysaccharides
ISO 16128	98.9 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 2×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 100 °C
pH-stability	pH 5 to pH 8
Processing	at first
Main functions	<ul style="list-style-type: none"> ■ opaque thickener & stabilizer ■ easier distribution on skin ■ sprayable

VOLUME HAIR

VIVAPUR® CS 4 FM

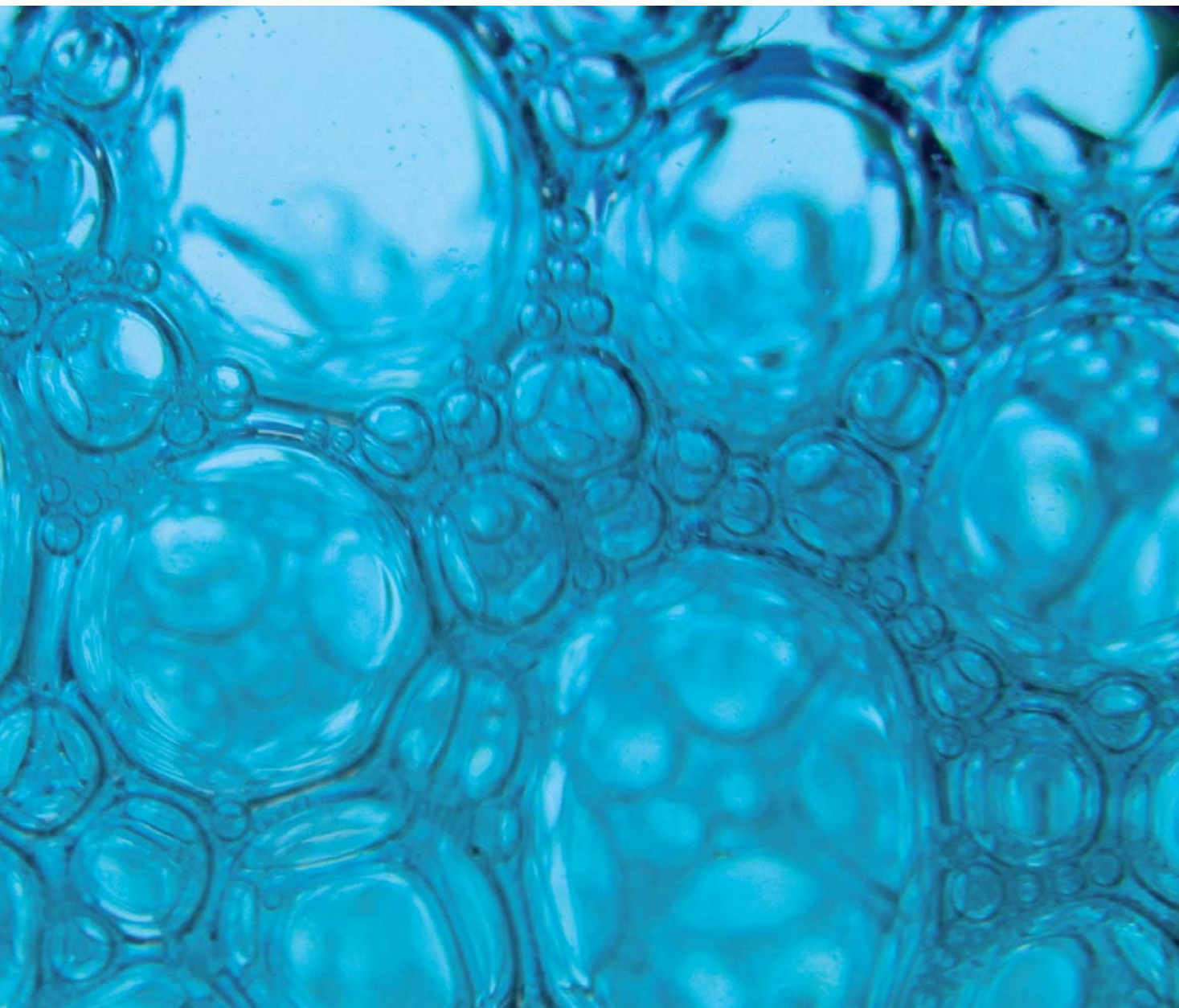
INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	4 µm
Structure	particle
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ increase of single hair diameter ■ increase the volume of the hair ■ physical effect



DRY SHAMPOO

VITACEL® CS 20 FC

INCI	Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	20 µm
Structure	fiber
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ high sebum absorption ■ hair softening ■ non-sticky



INSTANT POWDER SHAMPOO

VIVASTAR® CS INSTANT Powder

INCI	Sodium Carboxymethyl Starch
Appearance	white powder
Sustainable	yes
Natural origin	Potato
ISO 16128	90,6 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ absorption ■ fast swelling powder ■ instant rheology modifier



HYGIENE

Stay hygienic with our additive which stabilizes all ingredients within disposable wet wipes. Use wet wipes for cleansing and moisturizing the skin at the same time.

HAND SANITIZER

VIVASTAR® CS 142 HV

INCI	Hydroxypropyl Methylcellulose
Appearance	white powder
Clarity	clear gel
Viscosity (2 %)	~ 16 000 mPas
Sustainable	yes
Natural origin	wood
ISO 16128	77.7% natural origin
Biodegradable	readily
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 2×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	at first
Main functions	<ul style="list-style-type: none">■ clear thickener■ gel builder

WET WIPES

VIVAPUR® CS TEX Wet Wipe

INCI	Microcrystalline Cellulose, Cellulose Gum
Appearance	white powder
Clarity	white gel
Viscosity (2 %)	~ 2000 mPas
Sustainable	yes
Natural origin	wood
ISO 16128	94.6 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 2×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 100 °C
pH-stability	pH 4 to pH 9
Processing	at first
Main functions	<ul style="list-style-type: none">■ stabilization of all ingredients■ high thixotropic behavior■ improved skin feel







ORAL

Keep your mouth clean and healthy through edible, soft and colored abrasive ingredients. Also integrate our product in instant tablets for lasting shiny teeth.

GUM MESSAGE

VIVAPUR® CS 150 S

INCI	Microcrystalline Cellulose
Appearance	white pearls
Sustainable	yes
Natural origin	wood
ISO 16128	100% natural origin
Biodegradable	readily
Particle size	150 µm
Abrasiveness	hard
Structure	spherical
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	at the end
Main functions	<ul style="list-style-type: none">■ gum massage■ very gentle abrasive■ edible

GENTLE ABRASIVE

VITACEL® CS 70 G

INCI	Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	70 µm
Abrasiveness	gentle
Structure	granules
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	at the end
Main functions	<ul style="list-style-type: none">■ moderate and gentle abrasive■ for children's toothpaste■ edible



VISUAL & DETOX

VIVAPUR® CS 400 Charcoal

INCI	Microcrystalline Cellulose, Cellulose, Charcoal Powder
Appearance	black pearls
Sustainable	yes
Natural origin	wood, bamboo
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	400 µm
Abrasiveness	medium
Structure	spherical
Total aerobic microbial count	max. 5×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	at the end
Main functions	<ul style="list-style-type: none"> ■ massage effect ■ no bleeding ■ black & white effect ■ visual & detox effect

DENTAL CLEANING TABLETS

VIVAPUR® CS 230 R

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	230 µm
Abrasiveness	gentle
Structure	granules
Total aerobic microbial count	max. 1×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	at the end
Main functions	<ul style="list-style-type: none"> ■ binder ■ disintegrant ■ edible



SKIN

Pamper your face and body with pure nature. We serve plant and ocean based ingredients for creams, masks, foams, peelings and instant cleansers.







PRODUCTS FOR SKIN CARE

ANTI-WRINKLE

VIVAPUR® CS 4 FM

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	4 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ mattifying ■ anticaking

MASKS

VIVASTAR® CS 052 Alginate

INCI	Algin
Appearance	white powder
Clarity	clear gel
Viscosity (2 %)	~ 6 000 mPas
Sustainable	yes
Natural origin	seaweed
ISO 16128	100 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 100 °C
pH-stability	pH 4 to pH 10
Processing	at first
Main functions	<ul style="list-style-type: none"> ■ thickener ■ film former & moisturizer

INSTANT POWDER CLEANSER

VIVASTAR® CS INSTANT Powder

INCI	Sodium Carboxymethyl Starch
Appearance	white powder
Sustainable	yes
Natural origin	potato
ISO 16128	90,6 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ absorption ■ fast swelling powder ■ instant rheology modifier

SHAVING FOAM

VIVASTAR® CS 142 HV

INCI	Hydroxypropyl Methylcellulose
Appearance	white powder
Clarity	clear gel
Viscosity (2 %)	~ 16 000 mPas
Sustainable	yes
Natural origin	wood
ISO 16128	77.7 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 1x10 ³ cfu/g
Total yeasts & moulds count	max. 2x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	at first
Main functions	<ul style="list-style-type: none"> ■ clear thickener ■ foam stabilizer



NATURAL COLORED POWDERS

VITACEL® CS 7 Orange

INCI	Citrus Aurantium Dulcis (Orange) Peel Powder
Appearance	beige powder
Sustainable	yes
Natural origin	orange
ISO 16128	100 % natural
Biodegradable	readily
Particle size	7 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 80 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking

VITACEL® CS 5 Apple

INCI	Pyrus Malus Fiber
Appearance	brown powder
Sustainable	yes
Natural origin	apple
ISO 16128	100 % natural
Biodegradable	readily
Particle size	5 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 80 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking

VITACEL® CS 5 Oat

INCI	Avena Sativa (Oat) Bran
Appearance	white powder
Sustainable	yes
Natural origin	oat
ISO 16128	100 % natural
Biodegradable	readily
Particle size	5 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking

VITACEL® CS 8 Green Tea

INCI	Camellia Sinensis Leaf Powder
Appearance	green powder
Sustainable	yes
Natural origin	green tea
ISO 16128	100 % natural
Biodegradable	readily
Particle size	8 µm
Structure	particle
Total aerobic microbial count	max. 5x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 80 °C
pH-stability	pH 5 to pH 7
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ wrinkle filler ■ sensory improver ■ bulking



PRODUCTS FOR SKIN CARE

BALLING EFFECT

VITACEL® CS 150 F

INCI	Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	100 µm
Abrasiveness	gentle
Structure	fiber
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ new exfoliating system ■ balling ■ scrub

VISUAL & DETOX

VIVAPUR® CS 400 Charcoal

INCI	Microcrystalline Cellulose, Cellulose, Charcoal Powder
Appearance	black pearls
Sustainable	yes
Natural origin	wood, bamboo
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	400 µm
Abrasiveness	medium
Structure	spherical
Total aerobic microbial count	max. 5x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	at the end
Main functions	<ul style="list-style-type: none"> ■ massage effect ■ no bleeding ■ black & white effect ■ visual & detox effect

SOFT BEADS

VITACEL® CS 300 Soft

INCI	Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	300 µm
Abrasiveness	gentle
Structure	soft granule
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 12
Processing	at the end
Main functions	<ul style="list-style-type: none"> ■ soft exfoliation ■ soft scrub

TALC ALTERNATIVE:

VITACEL® CS 20 FC

INCI	Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	20 µm
Structure	fiber
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ bulking ■ absorption ■ anticaking



REPLACE SYNTHETICS ! INCREASE THE NATURALNESS OF YOUR FORMULATION

PLASTIC MICROBEADS & COARSE SILICA BEADS **ALTERNATIVE:**

VITACEL® CS 250 G

INCI	Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	300 µm
Abrasiveness	medium
Structure	granule
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 3 to pH 11
Processing	at the end
Main functions	<ul style="list-style-type: none"> ■ exfoliant ■ scrub ■ peeling

PMMA, SILICA POWDER, SILICONE POWDER, SILICA BEADS, NYLON **ALTERNATIVES:**

VIVAPUR® CS Sensory 5

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	5 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ soft touch ■ adhesion ■ absorption

CARBOMER & ALKYL ACRYLATE CROSSPOLYMER **ALTERNATIVE:**

VIVAPUR® CS TEX Easy

INCI	Microcrystalline Cellulose, Xanthan Gum, Cellulose Gum
Appearance	white powder
Clarity	white gel
Viscosity (2 %)	~ 3 500 mPas
Sustainable	yes
Natural origin	wood, polysaccharides
ISO 16128	98.9 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 5x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 100 °C
pH-stability	pH 5 to pH 8
Processing	at first
Main functions	<ul style="list-style-type: none"> ■ for all opaque formulations

NYLON **ALTERNATIVE:**

VIVAPUR® CS Sensory 12

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	12 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ sensory enhancer ■ mattifying ■ absorption

VIVAPUR® CS Sensory 15 S

INCI	Microcrystalline Cellulose, Cellulose Gum
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	99.3 % natural origin
Biodegradable	readily
Particle size	15 µm
Structure	pearls
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ dry ■ spreadability



SUN

Protect your skin from UV light and pollution on a sustainable base. Use our green, sprayable stabilizers for sunscreens and sunsprays.

SUNSCREEN

VIVAPUR® CS TEX Sun

INCI	Microcrystalline Cellulose, Cellulose Gum
Appearance	white powder
Clarity	white gel
Viscosity (2 %)	~ 1 500 mPas
Sustainable	yes
Natural origin	wood
ISO 16128	96.2 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 5×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 100 °C
pH-stability	pH 4 to pH 12
Processing	at first
Main functions	<ul style="list-style-type: none">■ natural stabilizer for TiO₂ + ZnO■ opaque thickener & stabilizer■ sprayable



ALKYL ACRYLATE CROSSPOLYMER & CARBOMER **ALTERNATIVE:**

VIVAPUR® CS TEX Easy

INCI	Microcrystalline Cellulose, Xanthan Gum, Cellulose Gum
Appearance	white powder
Clarity	white gel
Viscosity (2 %)	~ 3 500 mPas
Sustainable	yes
Natural origin	wood, polysaccharides
ISO 16128	98.9 % natural origin
Biodegradable	readily
Total aerobic microbial count	max. 2×10^2 cfu/g
Total yeasts & moulds count	max. 1×10^2 cfu/g
Thermostability	up to 100 °C
pH-stability	pH 5 to pH 8
Processing	at first
Main functions	<ul style="list-style-type: none">■ for all opaque formulations■ natural white gel



NATURAL ALTERNATIVES TO PLASTICS



NYLON ALTERNATIVES:

VIVAPUR® CS Sensory 12

INCI	Microcrystalline Cellulose
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	100 % natural origin
Biodegradable	readily
Particle size	12 µm
Structure	particle
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ sensory enhancer ■ mattifying ■ absorber

VIVAPUR® CS Sensory 15 S

INCI	Microcrystalline Cellulose, Cellulose Gum
Appearance	white powder
Sustainable	yes
Natural origin	wood
ISO 16128	99.3 % natural origin
Biodegradable	readily
Particle size	15 µm
Structure	pearls
Total aerobic microbial count	max. 1x10 ² cfu/g
Total yeasts & moulds count	max. 1x10 ² cfu/g
Thermostability	up to 120 °C
pH-stability	pH 2 to pH 13
Processing	anytime
Main functions	<ul style="list-style-type: none"> ■ dry ■ spreadability

CUSTOMER SERVICE

JRS – SOLUTION PROVIDER

- Global manufacturer of natural ingredients
- Family-owned company
- Established in 1878
- More than 4500 employees
- Headquarters in Germany
- Global service and availability
- Local support in your language
- ISO 9001 certified
- Global trainings
- In-house seminar/workshop



CERTIFICATES

- Kosher
- Vegan
- Halal
- Non-GMO
- ECOCERT/COSMOS
- ISO 16128

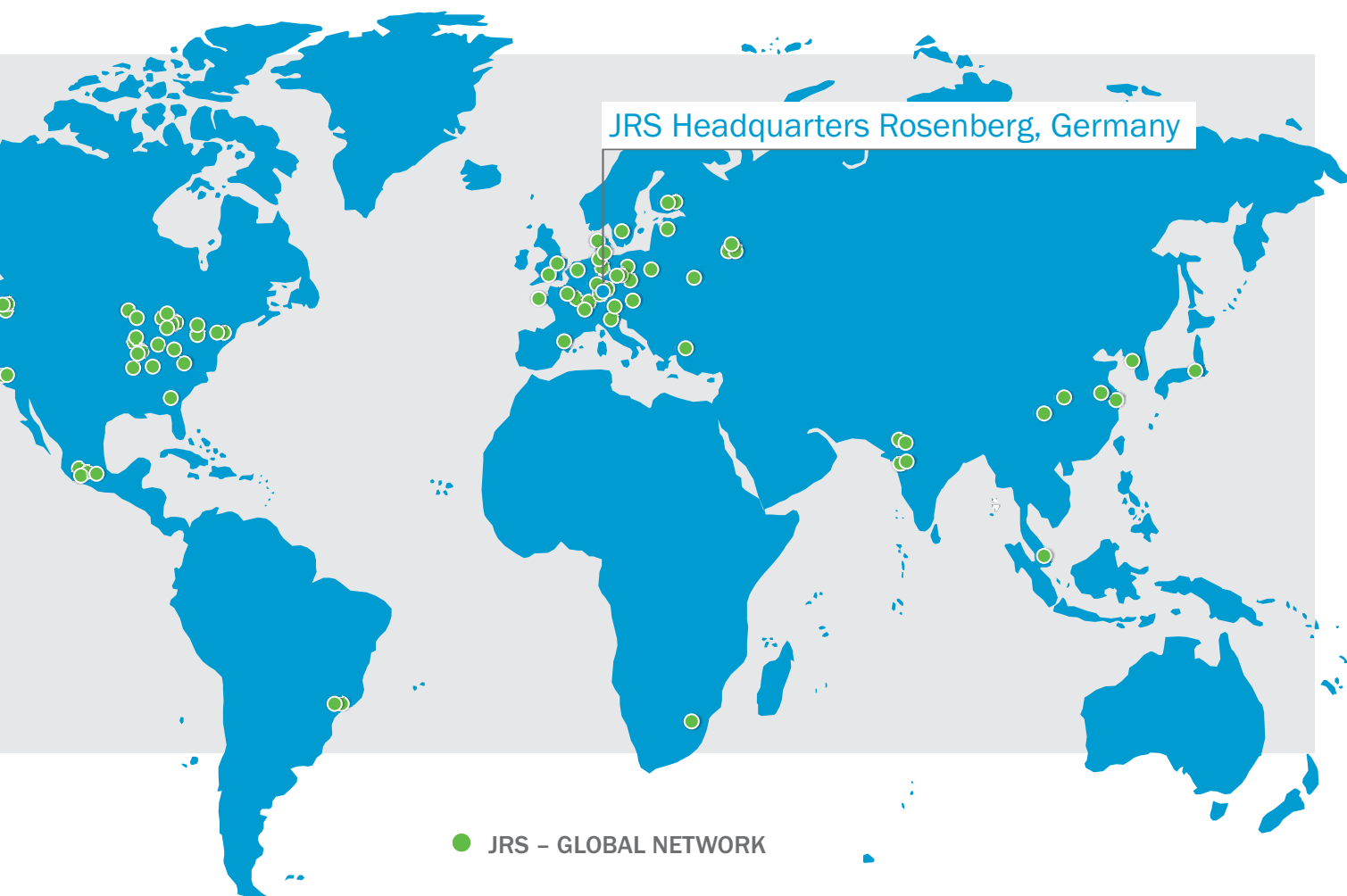


Please inform us about your needs.
We assist you with sustainable solutions.

HEADQUARTERS

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

www.jrspersonalcare.com



VITACEL® CS 5 Apple



VIVAPUR® CS Sensory 15 S



VIVAPUR® CS 9 FM
VITACEL® CS 250 G

J. RETTENMAIER & SÖHNE
GMBH + CO KG



Fibers designed
by Nature

