

LESSONIA

cosmetics + ingredients

CHOOSING
THE RIGHT
EXFOLIATING
INGREDIENT

Exfoliator™

CelluloScrub™



COMPREHENSIVE
HANDBOOK
for natural & biodegradable scrubs

To bring you the best and largest choice of natural exfoliants, LESSONIA draws inspiration each day from the diversity of the world and nature.

As experts and leaders in the field, we show you how to choose the best ingredients using 5 essential criteria and 8 exclusive ranges.

5
CRITERIA

8
EXCLUSIVE
RANGES

HOW TO CHOOSE THE RIGHT EXFOLIANT ?

ESSENTIAL CRITERIA

1 } PARTICLE SIZE

The smallest grain sizes should be used for facial application and the larger grain sizes are for use in body scrubs.



PARTICLES SIZE

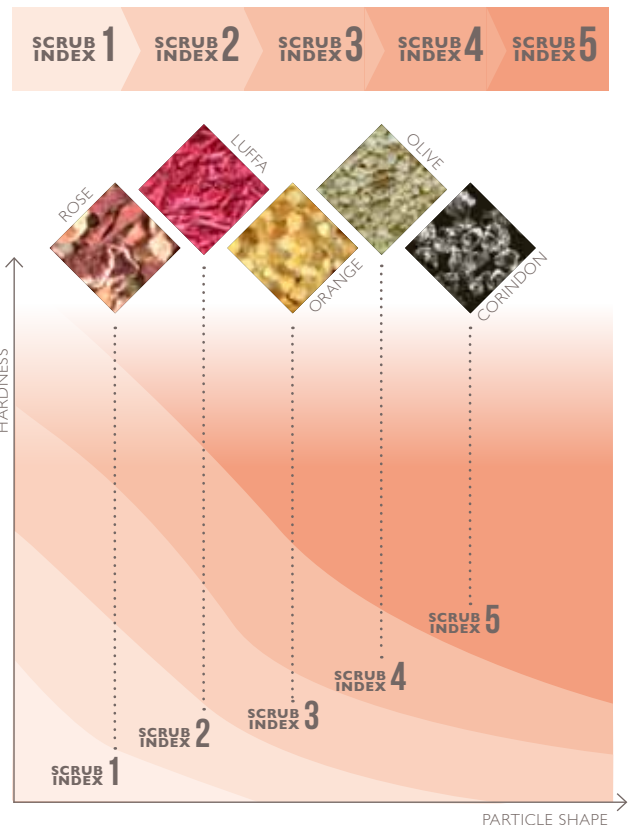
According to use and body part to treat

Grade	Particle Size Range (µm)	Application Area
Grade 2000	1000 µm - 2000 µm	FEET
Grade 1000	500 µm - 1000 µm	FEET
Grade 700	500 µm - 700 µm	BODY
Grade 500	200 µm - 500 µm	BODY
Grade 300	100 µm - 300 µm	BODY
Grade 200	100 µm - 200 µm	BODY
Grade 100	100 µm	FACIAL
Grade 75	75 µm	FACIAL

2 } ABRASIVENESS

The abrasiveness of an exfoliant depends on the hardness of the material used as well as particle shape. To make abrasiveness evaluation easier LESSONIA has created a "scrub index", an indicative scale graduated from 1 to 5.

ABRASIVENESS: SCRUB INDEX



3 } MARKETING IMPACT

The **Exfoliator™** range brings out the natural character of cosmetic products through different geographic, vegetable or mineral origins and a wide range of colours.



4 } COMPATIBILITY & STABILITY

The stability of the **Exfoliator™** range in terms of colour and abrasiveness is another crucial factor for water based formulas. While most of the **Exfoliator™** remain stable in aqueous phases, including with surfactants, others will only be compatible in anhydrous phases (oily gels or powders). Details of compatibility in the water based formulas are given for each of the **Exfoliator™**.

Products in the **Exfoliator™** range can be kept in suspension with the exception of the range of minerals which have a high density.

5 } REGULATORY CONSTRAINTS

Most of LESSONIA's **Exfoliator™** are globally approved as their INCI name is registered in the positive and unrestricted lists.

For certain brands involved in promoting organic cosmetic products, the **BioExfoliator™** certified by Ecocert and Cosmos enable the use of ingredients that can be included in the formula's organic percentage. In the event that organic is not available, the **GreenExfoliator™** (Gamma Ray Free) can be used.

CelluloScrub™

The ultimate PE beads alternative for cosmetics

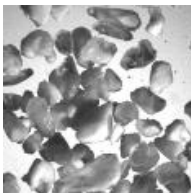
100%
RENEWABLE
BIODEGRADABLE



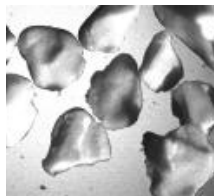
Celluloscrub™ is a white scrub that provides the same high performance as polyethylene (PE) beads

1 } PARTICLE SIZE

Available in different grades



CelluloScrub™ 300



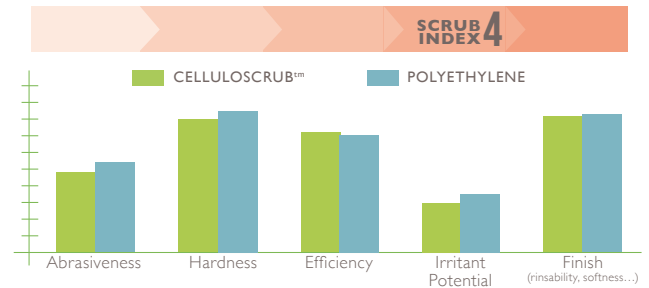
CelluloScrub™ 500



CelluloScrub™ 1000

2 } ABRASIVENESS

Same abrasiveness



3 } MARKETING IMPACT



Same White colour



100% renewable & biodegradable



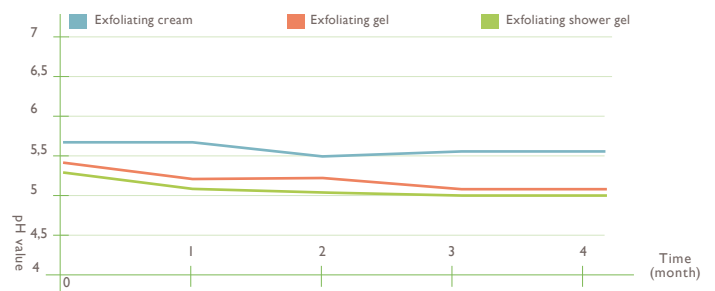
Several colours available

4 } COMPATIBILITY & STABILITY

No impact on formulation
Optimal stability in any cosmetic products

	Abrasiveness	Odour	Colour
Exfoliating Shower gel	✓	✓	✓
Exfoliating gel	✓	✓	✓
Exfoliating cream	✓	✓	✓

CELLULOSCRUB™ STABILITY TESTS



PH STABILITY OF COSMETIC PRODUCTS FORMULATED WITH CELLULOSCRUB™

5 } REGULATORY CONSTRAINTS

It's allowed without any restrictions in EU, China, ASEAN, Australia, Brazil, Canada, Japan, USA and Switzerland



CelluloScrub™

SCRUB INDEX 4

The ultimate alternative to the PE beads

NEW
NEW

	PARTICLE SIZE (microns)			AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	1000	500	300	Abrasiveness	Colour	Bio*	Green**
White	✓	✓	✓	✓	✓		✓
Blue		✓	✓	✓	✓		
Pink		✓	✓	✓	✓		

Shells & kernels

SCRUB INDEX 3 SCRUB INDEX 4

Brown colour, stable, effective

	PARTICLE SIZE (microns)					AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	2000	1000	700	500	200	Abrasiveness	Colour	Bio*	Green**
Almond		✓		✓		✓	✓	✓	
Apricot		✓		✓	✓	✓	✓	✓	
Argan		✓		✓	✓	✓	✓	✓	
Olive	✓	✓		✓	✓	✓	✓		✓
Peach			✓	✓		✓	✓		
Walnut		✓		✓		✓	✓		✓
Coconut	✓	✓		✓	✓	✓	✓		✓
Shea			✓	✓		✓	✓	✓	
Lychee	✓	✓		✓		✓	✓		✓

Fruits

SCRUB INDEX 2 SCRUB INDEX 3

Gentle exfoliation, wide variety of colours

	PARTICLE SIZE (microns)				AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	2000	1000	500	200	Abrasiveness	Colour	Bio*	Green**
Apple		✓	✓					
Blackcurrant		✓	✓					
Pomegranate		✓	✓		✓		✓	
Cranberry		✓	✓		✓		✓	
Bitter orange		✓	✓			✓		
Grape	✓	✓	✓		✓	✓		✓
Grapefruit		✓	✓			✓		
Lemon	✓	✓	✓			✓		
Orange	✓	✓	✓	✓		✓		

Minerals

SCRUB INDEX 4 SCRUB INDEX 5

Very abrasive, require strong suspension properties.

NEW
NEW

	PARTICLE SIZE (microns)						AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	1000	500	300	200	100	75	Abrasiveness	Colour	Bio*	Green**
Corindon		✓	✓		✓		✓	✓		
Garnet			✓		✓		✓	✓		
Lithothamnium		✓					✓	✓		✓
Pearl		✓		✓	✓		✓	✓		
Quartz		✓		✓			✓	✓		
Rhyolite				✓		✓	✓	✓		✓
Volcanic Sand	✓	✓	✓				✓	✓		✓
Magnetite		✓	✓				✓	✓		

Microns vs Mesh size



Herbs & Spices

SCRUB INDEX 3 SCRUB INDEX 4

A variety of origins

	PARTICLE SIZE (microns)					AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	2000	1000	500	200	100	Abrasiveness	Colour	Bio*	Green**
Cocoa	✓	✓	✓			✓	✓		✓
Coffee		✓	✓			✓			
Ginger	✓	✓				✓			
Guarana	✓	✓	✓			✓			✓
Cassia		✓	✓			✓			
Hemp		✓				✓	✓		
Lotus	✓	✓	✓						
Bamboo		✓	✓	✓	✓	✓	✓		✓

Seeds

Semi-spherical, gentle exfoliation, decorative effect

SCRUB INDEX 2 SCRUB INDEX 3

	PARTICLE SIZE (microns)			AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	2000	1000	500	Abrasiveness	Colour	Bio*	Green**
Blackcurrant	✓						
Cranberry	✓			✓		✓	
Raspberry	✓	✓	✓	✓			
Strawberry		✓		✓	✓		
Kiwi	✓			✓	✓		
Papaver		✓		✓	✓		

Flowers & Leaves

SCRUB INDEX 1

For guaranteed visual effect

	Petals	PARTICLE SIZE (microns)				AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
		2000	1000	500	200	Abrasiveness	Colour	Bio*	Green**
Rosa Gallica	✓	✓	✓	✓	✓				
Camomilla	✓								
Calandula	✓	✓							
NEW Lavender	✓								
Jasmin	✓								
NEW Cornflower	✓								
Lemongrass		✓	✓	✓		✓			
Olives Leaves		✓	✓			✓			
NEW Rosemary			✓			✓			

Luffa

Natural or coloured fibrous exfoliants

SCRUB INDEX 2

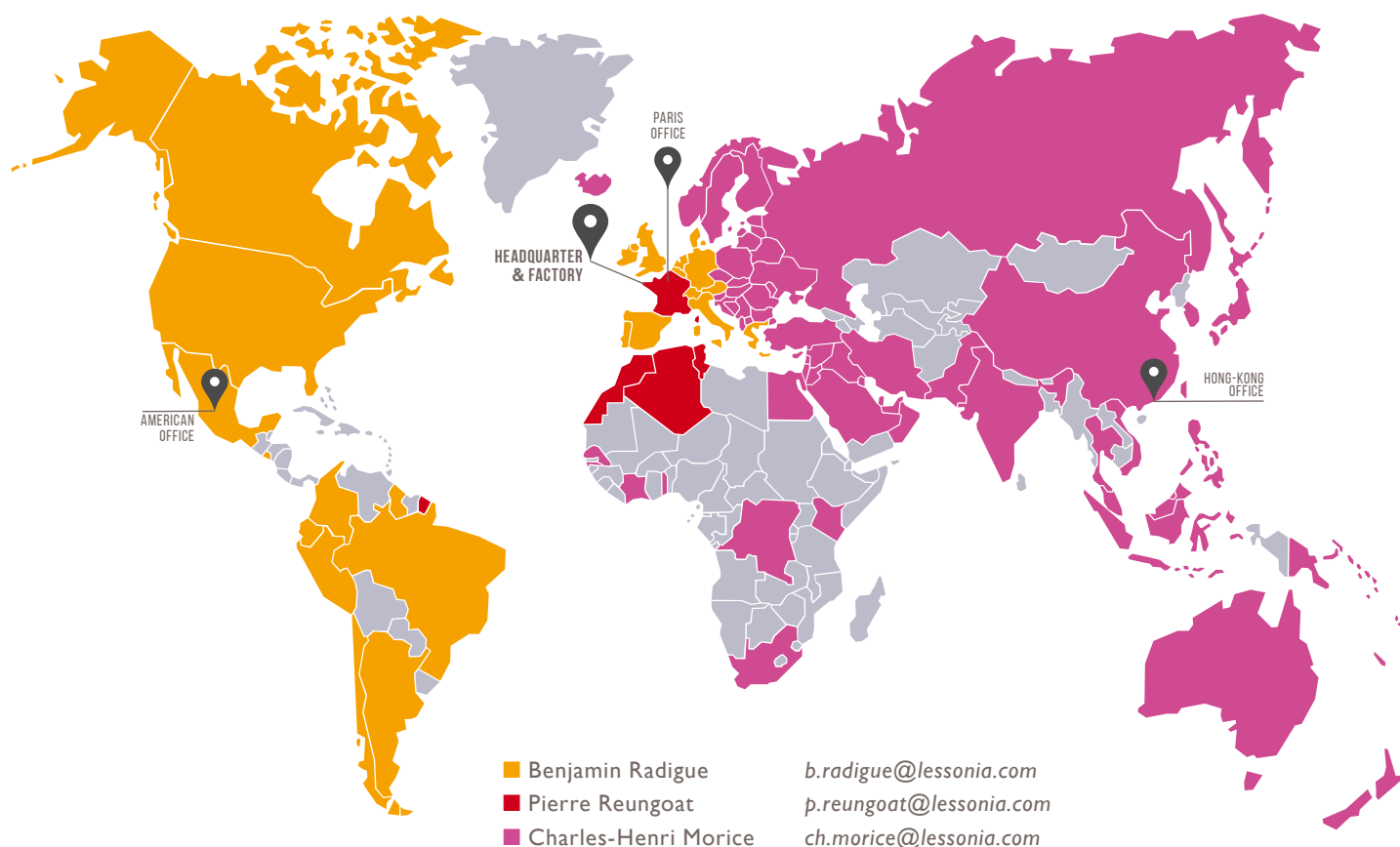
	PARTICLE SIZE (mesh)			AQUEOUS GEL STABILITY		ORGANIC COSMETIC	
	30	20	5	Abrasiveness	Colour	Bio*	Green**
Natural	✓	✓	✓	✓	✓		✓
Blue	✓			✓	✓		
Miami Blue	✓			✓	✓		
Brown	✓			✓	✓		
Yellow	✓			✓	✓		
Red	✓			✓	✓		
Orange	✓			✓	✓		
Green	✓	✓		✓	✓		
Pink	✓			✓	✓		



* Bio : Organic certified ** Green : 100% natural, conform to Ecocert and other organic charts



YOUR CONTACTS



ABOUT US

LESSONIA is an independent company headquartered in France which creates, manufactures and distributes specialty products used as ingredients by the cosmetic industries. Present in 80 countries worldwide, LESSONIA enjoys a strong know-how and position in micronisation, biology and extraction from natural sources. Its process is GMP approved.

LESSONIA offers to the cosmetic industry a variety of high performance products classified as:

- Exfoliating ingredients: Exfoliator™ and Celluloscrub™
- Micronised powders: Microzest™ 50 & Microzest™ 25
- Traditional plant extracts
- Substantiated active ingredients from marine origins

