

TOPICAL ACTIVE PROTECTION OF SENSITIVE MUCOSAE



EXCLUSIVE BLEND SPECIFICALLY DESIGNED FOR MUCOSAL BARRIER

Symptoms of sensitive mucosae are due to the disruption of the mucosal physiological barrier that makes it more vulnerable to external agents, causing therefore irritation, pain and discomfort.

MUCOSAVE™ CG is a blend of two plant extracts combining the strong physical protection of **Opuntia** bioadhesive polysaccharides with the soothing effect of olive leaf biophenols.

The synergic effect of **Opuntia** and olive extracts produces a physical protection of mucosal surface, the induction of a more rapid recovering of the physiological mucosal barrier and a calming and anti-inflammatory activity.

INCI NAME: Opuntia ficus-indica stem extract, Olea Europea (Olive) leaf extract, Maltodextrin

COUNTRY OF ORIGIN: Sicily - Italy

PARTICULAR SIGN: Natural Origin Index (ISO 16128):1

Sustainable ingredient from by-product

RECOMMENDED USAGE CONCENTRATIONS

0,5-1,5%

RESULTS OF VITRO TEST AND COSMETIC BENEFITS

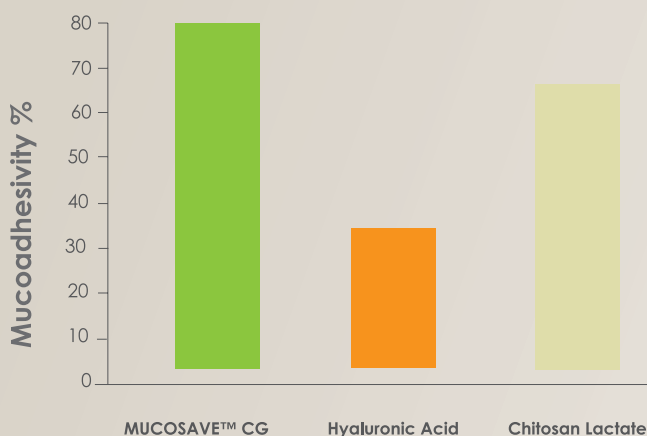
 **MUCOSAL PROTECTION ON VAGINAL AND BUCCAL CELLS**

 **HIGHER MUCO-ADHESIVITY THAN HYALURONIC ACID**

 **SOOTHING AND CALMING ACTIVITY**

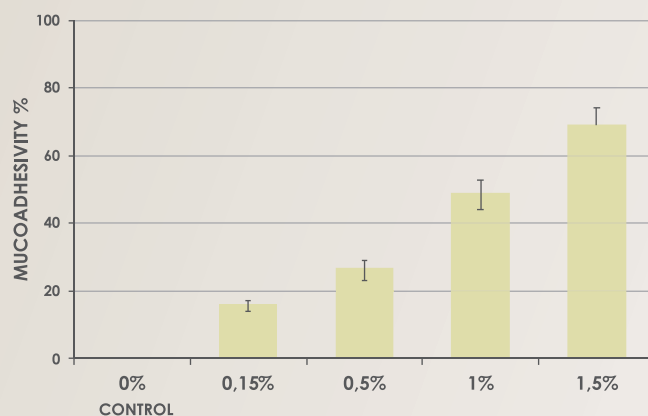


IN VITRO EVALUATION OF MUCOADHESIVITY



MUCOSAVE™CG exhibited an extremely high mucoadhesivity ability, compared to other substances such as hyaluronic acid and chitosan lactate.

IN VITRO EVALUATION OF MUCOADHESIVITY ON VAGINAL TISSUE



Data show the remarkable capability of MUCOSAVE™ CG to bind the tissue. Mucoadhesivity increases in a concentration-dependent manner up to 70%.

APPLICATIONS & FORMULATIONS



NATURAL MOUTHWASH

PHASE	INCI/PCPC	%
A	Aqua/Water	80,6
	Sorbitol	10
	Sodium lauroyl sarcosinate	0,5
	Glycerin	5
	1,2-hexanediol, caprylyl glycol	1,5
	Xylitol	0,7
	Opuntia ficus-indica stem extract, Olea europaea (olive) leaf extract, maltodextrin	0,5
B	Sulfated castor oil	1
	Citrus sinensis (orange) peel oil	0,2

CALMING AND PROTECTIVE INTIMATE WASH

PHASE	INCI/PCPC	%
A	Aqua/Water	67,2
	Glycerin	4
	Xanthan Gum	0,5
	Cellulose Gum	0,3
	Opuntia ficus-indica stem extract, Olea europaea (olive) leaf extract, Maltodextrin	0,5
B	Benzyl Alcohol, Glyceryl Caprylate, Glyceryl Undecylenate	1,5
	Glycol Distearate (and) Steareth-4	3,5
	Ammonium Lauryl Sulphate	8
	Cocamidopropyl betaine	5
	Disodium Cocoamphoacetate	6
	Coco-Glucoside (and) Glyceryl Oleate	1
	Tocopherol, sunflower seed oil	0,05
C	PEG-40 hydrogenated castor oil	0,2
	Parfum/fragrance	0,2
	Mentha Suaveolens flower oil	0,05
D	Citric Acid	2