



#GREENvsBLUE NATURAL INGREDIENT TO PROTECT SKIN FROM BLUE LIGHT DAMAGE



COSMOS
APPROVED



Are you sure to know everything about premature aging?

Consumers are getting increasingly aware about sun damage on the skin, but they are still little aware about premature aging from long-term exposure to electronic devices such as TVs, smartphones, PCs or tablets which are source of high energy visible blue light (HEV-BL).

OLEA-HT 10™ is a standardized powdered extract, titrated in hydroxytyrosol and tyrosol, two strong antioxidant molecules (10-12% w/w HPLC). Following the BIONAP's philosophy, it is obtained from a by-products of the sicilian olive oil production. OLEA-HT™10 is certified ECOCERT and COSMOS.

INCI NAME: Olea Europaea (Olive) fruit 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%

RESULTS OF IN VITRO TEST AND COSMETIC BENEFITS



PROTECTS AGAINST BLUE LIGHT-INDUCED CELL PROLIFERATION DAMAGE

ROS

REDUCES SIGNIFICANTLY BLUE LIGHT-INDUCED ROS PRODUCTION



PROTECTS DNA FROM BLUE LIGHT-INDUCED DAMAGE

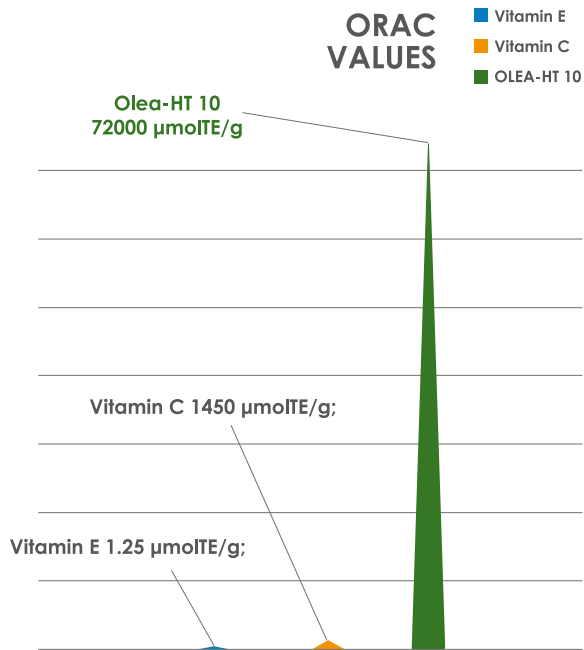


PROMOTES COLLAGEN RESTORATION AND DECREASES THE PRODUCTION OF MMP-1 AND MMP-12

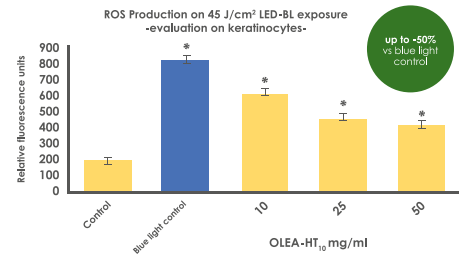


OLEA-HT10™ AMONG THE BEST NATURAL ANTIOXIDANTS

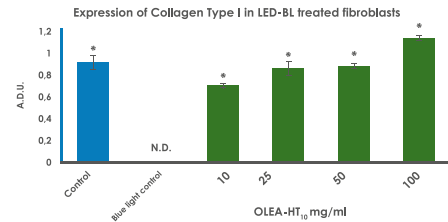
OLEA-HT™ 10



IN VITRO TEST



Results showed that the pre-treatment with **OLEA-HT™10** reduces the generation of ROS by 25-50% in human epidermal keratinocytes and by 58-68% in human dermal fibroblasts - comparison to the blue light control. *p < 0.05



Results showed that the pre-treatment with **OLEA-HT™10** of fibroblasts, exposed to LED-BL, not only protects collagen from degradation but stimulates its ex novo synthesis. N.D. not determinate. *p < 0.05

Applications



SUN CARE



SKIN CARE



HAIR CARE



TOILETRIES



MAKE-UP

DD CREAM, DAILY DEFENSE CREAM

PHASE	INCI/PCPC	%
A	Aqua/water	52,37
	Glycerin	3
	Panthenol	1
	XZanthan gum	0,3
	Phenoxyethanol, Caprylyl Glycol, Potassium Sorbate, Water, Hexylene Glycol	1
	Disodium EDTA	0,2
	B	Arachidyl Alcohol, Behenyl Alcohol, Arachidyl Glucoside
Ceteareth-25		2
Glyceryl Stearate		2
Isoamyl Cocoate		3
Butyl Methoxydibenzoylmethane		3
Octylmethoxycinnamate, Diethylamino hydrobenzoyl hexylbenzoate		5
Dimethicone		3
Octocrylene		2
Cynara cardunculus (artichoke) seed oil		1
Tocopheryl acetate		1
C		C12-C15 alkyl benzoate, Titanium dioxide, Polyhydroxystearic acid, Aluminum stearate, Alumina
	Olea Europea (olive) fruit extract, Maltodextrin	0,5
D	Aqua/water	1,5
	E	Cl 77891, Hydrogenated Polydecene, Cl 77492
Hydroxystearic Acid, Disteardimonium hectorine, Cl 77491, Cl 77499		
Ultramarine (and) Hydrogenated Polydecene (and) Hydroxystearic Acid (and) Disteardimonium Hectorite (and) Propylene Carbonate		0,5
Hydrogenated Polyisobutene (and) Polymethylsilsesquioxane (and) Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer (and) Ethylene/Propylene Copolymer		4
F		Aminomethyl propanol
G	Aroma	0,5

PROTECTIVE HAIR MASK WITH OLIVE EXTRACT AND POMEGRANATE OIL

PHASE	INCI/PCPC	%
A	Aqua/water	82,27
	Glycerin	1,5
	Panthenol	0,3
	Behentrimonium Chloride	0,6
	Polyquaternium-7	1
	Disodium EDTA	0,2
	Hydroxyethyl cellulose	0,7
B	Cetyl alcohol	3
	Cetearyl alcohol	2
	Glyceryl Stearate	2
	Ceteareth-25	1
C	Punica granatum (pomegranate) seed oil	2
	Olea Europea (olive) fruit extract, Maltodextrin	0,5
D	Aqua/water	1,5
	E	Phenoxyethanol, Caprylyl Glycol, Potassium Sorbate, Water, Hexylene Glycol
Parfum/fragrance		0,4
G	Aminomethyl propanol	0,03

FORMULATIONS