

TECHNICAL INFORMATION

Biorism Anti UV Sun Cream



Revision date: 2024.01.19

Version: 2.0

SECTION 1: PRODUCT

1.1 Table 1.Composition of the sun cream

INCI name	(% w/w)
Aqua	71.20
Ethyl N-acetyl-N-butyl-β-alaninate*	10.00
Glycerin	3.00
C12-15 Alkil benzoate	3.00
Butyl Methoxydibenzoylmethane**	2.00
Octocrylene**	2.00
Titanium Dioxide (nano), Alumina, Simethicone, Stearic Acid**	2.00
Perfum (<i>Summer day B</i>)***	2.00
Cyclopentasiloxane (and) Dimethicone	2.00
Isopropyl myristate	2.00
Polysorbate 80	0.25
Acrylates/C10-30 Alkyl Acrylate Crosspolymer	0.20
Preservatives (Phenoxyethanol)	0.15
Tetrasodium EDTA	0.10
Silica	0.10
Sodium hydroxide solution	to neutralization
Total	100

* Insect repellent

** Sun filters

An adjustment in the formulation was made, in order to achieve a more fluid and less oily lotion. However, is it possible make improvements in the formulation aspect and composition, being aware the possibility of change the efficacy and SPF characteristics.

*** The perfume is an exclusive for Success Gadget, for cosmetic formulas, developed by a perfumer in Portugal. It is possible to develop an olfactory signature for Biorism, by request, indicating the olfactory pyramid.

SECTION 2: INFO REGARDING FILTERS USED

2.1. Table 2. UV filters used in the formulation

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UV FILTERS	INCI	Concentration (% w/w)****
UVB	Octocrylene	2
UVA	Butyl Methoxydibenzoylmethane	2
UVA/UVB	Titanium Dioxide (nano)Alumina, Simethicone, Stearic Acid	2

**** May need an adjustment in the concentrations of the UV filters after laboratory SPF determination. However, it is expected a synergistic effect on SPF with organic and inorganic UV filters (expected SPF 20).

SECTION 3: CONCENTRATION OF THE REPELLENTS

Table 3. INCI name for the repellent used in the formulation

Repellent	INCI	Concentration (% w/w)*****
	Ethyl N-acetyl-N-butyl-β-alaninate	10

***** It is expected an efficacy time up to 8 h, with this insect repellent concentration.

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