

Skin regenerator. Anti-inflammatory.

DRAGON'S BLOOD

DRAGON'S BLOOD is an extract obtained from the latex of the Croton lechleri tree, with **multiple beneficial properties for skin care treatments**. It is primarily composed of **proanthocyanidins, taspin, and lignans**.



This ingredient has been shown to have **epigenetic activity**, having the capacity to modulate the expression of microRNAs and genes.

Furthermore, it stands out for its **high regenerative power** and its **antioxidant capacity**, similar to that of vitamin C.



EPIGENETIC
ACTIVITY

+



SKIN
REGENERATION

+



ANTIOXIDANT
ACTIVITY

PROPERTIES

- 1 Powerful **skin regenerator**
- 2 **Anti-oxidant:** anti-free radical action
- 3 **Healing** and anti-irritant action
- 4 **Anti-inflamm´aging**
- 5 **Anti-pollution**
- 6 Improves **barrier function**
- 7 Acts as a **natural moisturizer**

THROUGH
EPIGENETIC
ACTIVITY



**MULTI-PURPOSE
INGREDIENT**

INCI
 Propanediol, Aqua (Water), Croton lechleri resin powder

DOSAGE OF USE
 3-5%

SOLUBILITY
 Water-soluble



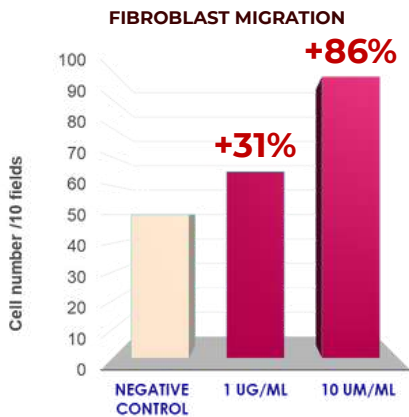
EFFICACY TESTS

IN VITRO: Skin regeneration capacity.

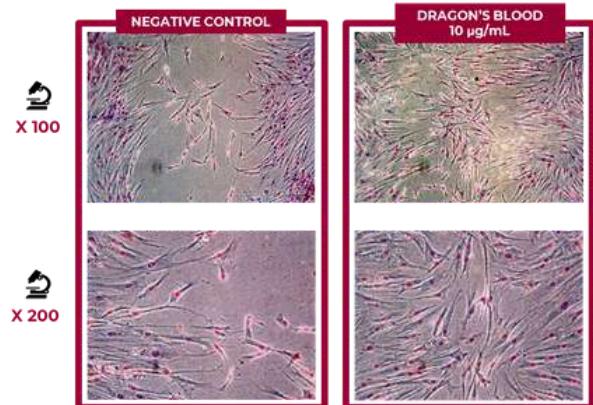
METHODOLOGY:

"Scratch test"

The migration of fibroblasts produced by Dragon's Blood is analyzed 48 hours after scratch damage.



DRAGON'S BLOOD produces a significant increase of up to **86%** in the **proliferation and migration of human dermal fibroblasts** in an attempt to fill the damaged area

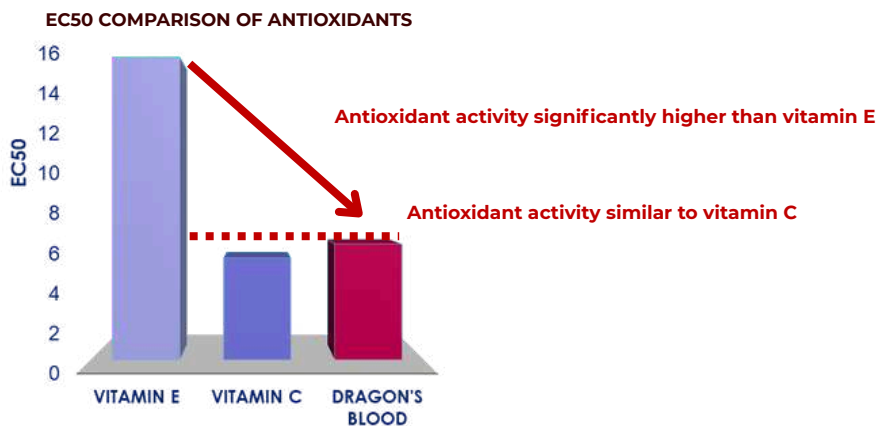


IN VITRO: Anti-free radical activity

METHODOLOGY:

Incubation of DPPH with the study samples for 30 min at 37°C. Measurement of DPPH reduction by decrease in absorbance using a spectrophotometer.

EC50 value: concentration required to neutralize 50% of the total amount of DPPH radicals



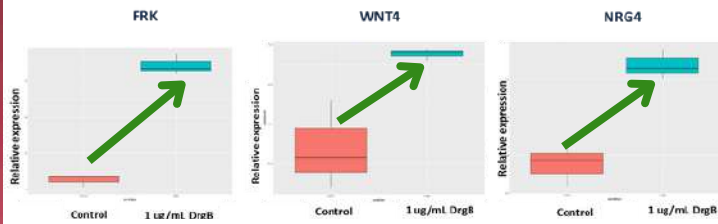
DRAGON'S BLOOD showed significant reuptake activity with **EC50 of 6.85 ± 2.28 µg / mL**

POWERFUL SKIN REGENERATOR	HELPS TO IMPROVE HEALING PROCESSES	ANTI-OXIDANT ACTIVITY	EPIGENETIC ACTIVITY	ANTI-INFLAMM' AGING	NATURAL MOISTURIZER & IMPROVES SKIN BARRIER

EPIGENETIC ACTIVITY

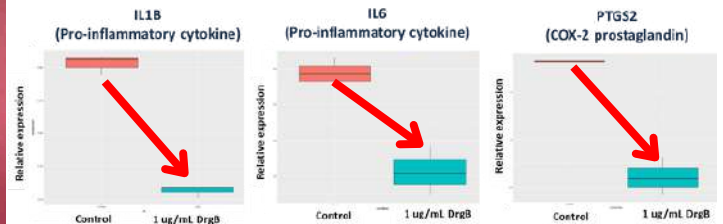
DRAGON'S BLOOD modulates gene expression at the microRNA level through a gene 'on-off' switching mechanism.

Skin healing



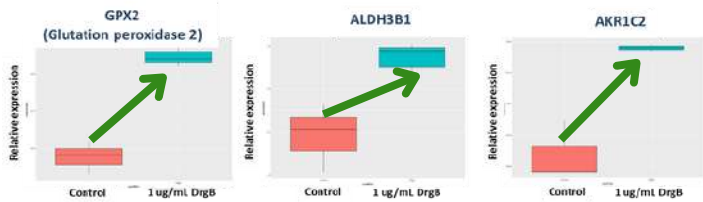
DRAGON'S BLOOD stimulates genes involved in the structure of the epidermis (FRK) and the healing process (WNT4 and NRG4)

Anti-inflammaging



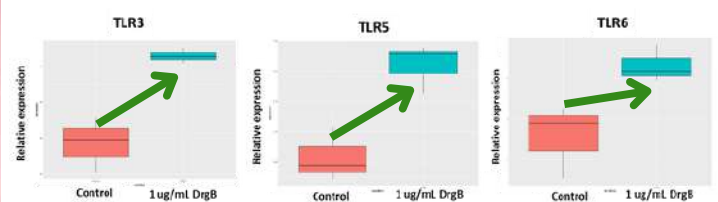
DRAGON'S BLOOD inhibits pro-inflammatory genes such as IL1B, IL6 and PTGS2, thus reducing the inflammatory response produced in old age.

Anti-pollution



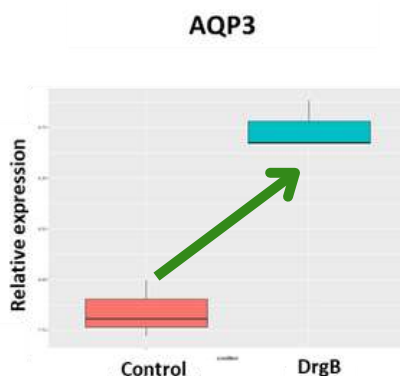
DRAGON'S BLOOD stimulates genes that promote antioxidant activity (GPX2) and participate in cell detoxification systems (ALDH381 and AKR1C2)

Barrier function



DRAGON'S BLOOD stimulates the synthesis of tight junctions, through the expression of TLR genes (3, 5 and 6) that contribute to improving the skin's immunity against pathogens.

Natural hydration



DRAGON'S BLOOD stimulates AQP3, which promotes the synthesis of aquaporin 3, which allows the passage of water and glycerol through the epidermis, promoting natural skin hydration.

HYDRACALM DRAGON'S SERUM

SKIN

Serum designed to **deeply hydrate and soothe** sensitive or stressed skin. Enriched with Dragon's Blood, this formula helps reduce redness, calm irritation, and strengthen the skin's natural barrier. Its antioxidant properties also protect against environmental aggressors, leaving skin soft, refreshed, and balanced.

PHASE	RAW MATERIALS	INCI	%
1	WATER	AQUA	79,82
	PROPYLENE GLYCOL	PROPYLENE GLYCOL	10,00
	DERMOSOFOT OMP	METHYLPROPANEDIOL, CAPRYLYL GLYCOL, PHENYLPROPANOL	3,00
	ALANTOINA	ALLANTOIN	0,20
	PANTHENOL	PANTHENOL	0,50
2	NATROSOL 250-HR PC	HYDROXYETHYLCELLULOSE, DISODIUM PHOSPHATE, SODIUM PHOSPHATE, POLYSORBATE 60	0,40
3	DRAGONS BLOOD	PROPANEDIOL, AQUA, CROTON LECHLERI RESIN EXTRACT	5,00
	COTTON EXTRACT	AQUA, GLYCERIN, GOSSYPIUM HERBACEUM SEED EXTRACT, POTASSIUM SORBATE, SODIUM BENZOATE	1,00
4	SODIUM HYDROXIDE 1N	AQUA, SODIUM HYDROXIDE	0,01
5	COL. AZUROBINA 85% E122 sol.0,5%	CI 14720	0,07
6	SUMICOS BRONZE FLASH	/	0,002
TOTAL			100,00

Note: It is the formulator's duty to ensure the stability of the formulation provided by performing the necessary tests.

MANUFACTURING PROCESS

1. Add Phase 1 and stir to homogenize.
2. Add Phase 2 and homogenize with a turbine.
3. Add Phase 3 and homogenize.
4. Adjust the pH with Phase 4.
5. Add Phases 5 and 6 and mix.



SKINHEAL DRAGON'S GEL

SKIN

Lightweight gel formula designed to **accelerate skin repair and promote healing**. Enriched with Dragon's Blood, this product forms a protective film over the skin, helping reduce redness, support regeneration, and prevent moisture loss. Ideal for dry and/or damaged skin.

PHASE	RAW MATERIALS	INCI	%
1	WATER	AQUA	68,88
2	PROPYLENE GLYCOL	PROPYLENE GLYCOL	2,00
	EUXYL PE 9010	PHENOXYETHANOL, ETHYLHEXYLGLYCERIN	1,00
	HYDROLITE-5 GREEN	PENTYLENE GLYCOL	4,00
3	CARBOPOL 980	CARBOMER	0,75
4	GLYCERIN	GLYCERIN	6,00
	ACULYN 22	ACRYLATES/STEARETH-20 METHACRYLATE COPOLYMER, AQUA, SODIUM LAURYL SULFATE	1,50
5	PROPYLENE GLYCOL	PROPYLENE GLYCOL	6,00
	DRAGONS BLOOD	PROPANEDIOL, AQUA, CROTON LECHLERI RESIN EXTRACT	5,00
	ALOE VERA EXTRACT 1:1	ALOE BARBADENSIS LEAF JUICE, SODIUM BENZOATE, CITRIC ACID, POTASSIUM SORBATE	3,00
6	SODIUM HYDROXIDE 4N	AQUA, SODIUM HYDROXIDE	1,80
7	COL. AZUROBINA 85% E122 sol.0,5%	CI 14720	0,07
TOTAL			100,00

Note: It is the formulator's duty to ensure the stability of the formulation provided by performing the necessary tests.

MANUFACTURING PROCESS

1. Add Phase 2 to 1 and homogenize.
2. Add Phase 3 and homogenize with a turbine.
3. Premix Phase 4, add it to 1+2+3 and homogenize.
4. Add Phase 5 and homogenize.
5. Adjust the pH with Phase 6 (6.5-7.5).
6. Add Phase 7 and homogenize.



DRAGON NIGHT SLEEPING MASK

SKIN



Lightweight overnight mask that **regenerates, hydrates, and protects the skin while you sleep**. Formulated with Dragon's Blood, known for its healing, antioxidant, and anti-inflammatory properties, this mask creates a protective barrier that soothes the skin, improves elasticity, and reduces signs of fatigue. **By morning, skin feels softer, revitalized, and visibly healthier, with a natural glow.**

PHASE	RAW MATERIALS	INCI	%
1	WATER	AQUA	63,48
	GLYCERIN	GLYCERIN	25,00
2	AQUPEC MG N40R	SODIUM CARBOMER, AQUA, SILICA	1,30
3	DERMOSOFT OMP	METHYLPROPANEDIOL, CAPRYLYL GLYCOL, PHENYLPROPANOL	3,00
4	SODIUM HYDROXIDE 4N	AQUA, SODIUM HYDROXIDE	0,10
5	DRAGON'S BLOOD	PROPANEDIOL, AQUA, CROTON LECHLERI RESIN EXTRACT	5,00
	COBIOSTEM LARCH	FITZROYA CUPRESSOIDES CALLUS EXTRACT, GLYCERIN, PENTYLENE GLYCOL	2,00
6	PERFUME 15.6374	PARFUM	0,10
7	COL. AZUROBINA 85% E122 sol.0,5%	CI 14720	0,02
TOTAL			100,00

Note: It is the formulator's duty to ensure the stability of the formulation provided by performing the necessary tests.

MANUFACTURING PROCESS

1. Add Phase 1 and stir to homogenize.
2. Add Phase 2 and blend with the turbine.
3. Add Phase 3 and homogenize.
4. Adjust the pH with Phase 4 (5.5-6.5).
5. Add Phase 5 and homogenize.
6. Add Phases 6 and 7 and mix.



DEWYLIPS HYDRATING BALM STICK

LIPS



This **nourishing lip balm** offers long-lasting hydration and protection for dry, chapped lips. Enriched with Dragon's Blood LP, it helps repair delicate skin, retain moisture, and protect lips from environmental aggressors. It leaves lips soft, smooth, and comfortably protected all day long.

PHASE	RAW MATERIALS	INCI	%
1	HYDRARGAN	ARGANIA SPINOSA KERNEL OIL	19,85
	CHIAPROTECT	SALVIA HISPANICA SEED OIL	1,00
	SWEET ALMOND OIL	SWEET ALMOND PLUM OIL	19,50
	SHEA BUTTER	BUTYROSPERMUM PARKII BUTTER	5,00
	OMEGA BUTTER	PLUKENETIA VOLUBILIS SEED OIL, C10-18 TRIGLYCERIDES	5,00
	BEEWAX	CERA ALBA	24,00
	OIL GRAPE	VITIS VINIFERA SEED OIL	19,35
	BIOXAN T70	TOCOPHEROL,	0,10
	VITAMIN E ACETATE	GLYCINE SOJA OIL	0,20
2	DRAGON'S BLOOD LP	BUTYROSPERMUM PARKII BUTTER EXTRACT, ARGANIA SPINOSA KERNEL OIL, CROTON LECHLERI RESIN EXTRACT	5,00
3	PARFUM	PARFUM	1,00
TOTAL			100,00

Note: It is the formulator's duty to ensure the stability of the formulation provided by performing the necessary tests.

MANUFACTURING PROCESS

1. Heat Phase 1 to 75-80°C
2. Shake to homogenize Phase 1
3. Cool to below 50°C
4. Add Phase 2 and stir to homogenize
5. Add Phase 3

*****LIPOSOLUBLE VERSION:
Dragon's Blood LP**

