

## CERTIFICATE OF ANALYSIS

### Dragon's Blood Latex

**Inci Name Designation:** 100% Croton Lechleri Resin

**Lot/Batch Code:** KR-BO-1SD5-2111

(CoA)

<b><u>ANALYTICAL DETAILS*</u></b>	<b><u>SPECIFICATION</u></b>	<b><u>RESULTS</u></b>	<b><u>DECISION</u></b>
APPEARANCE	Latex Liquid	Viscous liquid. Free of foreign particles and unpleasant odors.	Conform
ODOUR	Characteristic	Characteristic to the product. Free from strange odors.	Conform
COLOUR	Dark red dense	Dark red	Conform
RELATIVE DENSITY	$\leq 1.01$	1.00	Conform
pH	3.7 – 4.7	4.45	Conform
MOISTURE	Max. 85%	80.1	Conform

Organoleptic analytical method

1. AOAC 973.41 (2005) 18 th Ed. pH of water.

2. Moisture Analysis. Quick method of Thermo balance.

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<b><u>MICROBIOLOGICAL*</u></b>	<b><u>SPECIFICATION</u></b>	<b><u>RESULTS</u></b>	<b><u>DECISION</u></b>
TOTAL COLIFORMS	Absent	Absent	Conform
YEAST & MOLD	$\leq 10$ ufc/g	< 1 UFC/g	Conform
SALMONELLA	Absent 25/g	Absent 25/g	Conform
STAPHYLOC. AUREUS	Absent	Absent	Conform
E. COLI	< 3 ufc/g	< 3 UFC/g	Conform

1. Total aerobic count: ICMSF 2nd Edition, volume 1. Enumeration of aerobic mesophilic microorganisms: plate counting method p. 118-121

2. Mold & Yeast: ICMSF 2nd Edition, volume 1. Mold and yeast count p. 165-167

3. E. Coli: AOAC Official Method 991.14 Coliforms and Escherichia coli in Food Inform No 115123001

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The information is given to the best of our knowledge at this time.

It is the ultimate responsibility of our customer to ensure the safety of the final product containing this material by further testing if need be.

## Product Specification

### Dragon's Blod Latex

**Inci Name Designation:** 100% Croton Lechleri Resin

**Origin:** Bolivia, Amazon region

<u>ANALYTICAL DETAILS</u>	<u>RANGE</u>
APPEARANCE	Latex Liquid, Viscous consistency
ODOUR	Characteristic of the product, resin
COLOUR	Dark red dense
RELATIVE DENSITY	≤ 1.01
BRIX GRADE	> 28 ° B
HUMIDITY	93%
MOISTURE	≥ 80%

<u>MICROBIOLOGICAL</u>	<u>RANGE</u>
TOTAL COLIFORMS	Absent
YEAST & MOLD	≤ 1,000 cfu/g
TOTAL PLATE COUNT	≤ 10,000 cfu/g
SALMONELLA	Absent
STAPHYLOC. AUREUSs	Absent
E. COLI	< 3 cfu/g

#### 1. Main Components

##### **Proanthocyanidins:**

Polyphenols (bioflavonoids). Powerful antioxidants. They facilitate wound healing. In vitro tests have shown that they are more efficient than vitamin E, and even more efficient than vitamin C.

##### **Taspine:**

Anti-inflammatory and healing action.

##### **Lignans:**

Dimethylcedrusine, has shown to speed healing four times faster; pigments and flavonoids: they influence the endogenous defense mechanisms in the skin, potentially modulating the response to environmental agents, such as UVR.

#### 2. Cosmteic Uses:

Anti-age & repairing
Improvement of skin protection
Strong anti-free radical activity (ORS and NRS)
Enhances skin elasticity
Epigenetic activity
Cicatrizing action.
<b>3. Properties:</b>
Dragon's blood participates in key control processes in 8 of the 9 molecular marks of cellular aging regulating the expression of microRNAs.
<b>Healing:</b> Thanks to its high taspine and polyphenols content, it stimulates the formation of scabs regenerating the skin faster, and stimulating the production of collagen and the fibroblasts migration.
<b>Anti-inflamm'aging:</b> Reduces the inflammation process by decreasing the synthesis of pro-inflammatory cytokines.
<b>Anti-pollution:</b> Stimulates the synthesis of antioxidant defense genes such as: GPX2 (Glutathione peroxidase 2), ALDH3B1, AKR1C2. These genes are involved in the detoxification of hydrocarbons.
<b>Immunostimulator:</b> It improves the skins barrier function by stimulating the synthesis of Tight-junctions, key proteins in the conservation of the skins natural immunity.
<b>Natural Moisturizer:</b> Stimulates the synthesis of aquaporin 3.

**Pesticides:** Free from Pesticides.

**Chemical residues:** Free from chemical residues.

**GMO production:** NON-GMO

**Natutal production:** Yes 100% Natural

**Wild production:** Yes

**Storage:** Under 25 °C

**Revised:** 10/09/2022 **Ver\_1.4**

"WE HEREBY CERTIFY THE PRODUCTS DESCRIBED HERE IN ARE OF BOLIVIAN ORIGIN AND THAT ALL COMPONENTS, PARTS TECHNOLOGY, LABOUR AND CAPITAL USED IN THEIR PRODUCTION ARE IN STRICT ACCORDANCE WITH THE EUROPEAN UNION REGULATION". COMPLY WITH THE LEGAL PROVISIONS FOR NATURAL FOOD AND NATURAL GOODS E.V.(BNN) FOR POLLUTANTS AND CONTAMINANTS. IN ACCORDANCE WITH REGULATIONS (EC) 834/2007 AND (EC) 889/2008.