

BERACA

WE BRIDGE®

Health & Personal Care



HEALTH & PERSONAL CARE

Beraca is an innovative Brazilian based company focused on innovation and with an international reach which invests in the development of sustainable ingredients and technologies.

We are leading providers of natural ingredients ethically sourced from the Amazon Rainforest and other Brazilian ecosystems. Beraca's high-performance active ingredients add value to a wide number of brands operating in the cosmetics, pharmaceutical, and personal care industry worldwide.

BERACA'S SOCIO-BIODIVERSITY ENHANCEMENT PROGRAM®

Beraca is known and valued worldwide as a reference for sustainable development due to its unique **Socio-Biodiversity Enhancement Program®** and full traceability of raw materials from Brazilian biomes, especially the **Amazon Rainforest** – the world's largest and most diverse rainforest.

Beraca works closely with local communities and associations to ensure eco-sustainable standards and practices in its product sourcing and production.



With the support of a specialized team, Beraca promotes alternative sources of income that have improved the lives of more than 2.500 families, while preserving our natural resources.



The Program is based on the triple bottom line of economic, environmental and social balance.



This life-changing project has inspired companies from over 40 countries to use natural ingredients sustainably sourced from the Brazilian biodiversity.

Bacuri Butter

Platonia insignis

Q Bah-cour-REE



Natural energy for your skin



Proven efficacy

Refined butter

Recommended use level: 2.0%

Native to Northern Brazil, the bacuri tree bears fruits that are used for a wide variety of applications, including food, cosmetic and medicinal purposes. The butter extracted from its seeds has high nutritional value. It is rich in minerals such as magnesium, zinc and calcium as well as being a source of tryptophan amino acid.

The skin requires a great amount of energy to support the repair and protection mechanisms needed to maintain its physiological balance. The aging process leads to a significant drop in cellular energy levels, preventing the skin from maintaining the metabolism required to fight against the appearance of aging signs such as wrinkles, dark spots and skin dryness.

With this in mind, Beraca has launched the **Bacuri Butter**, an active ingredient with high nutritional value, which helps enhance cell metabolism and improve physiological parameters such as nutrition and deep skin hydration, especially in mature skin.

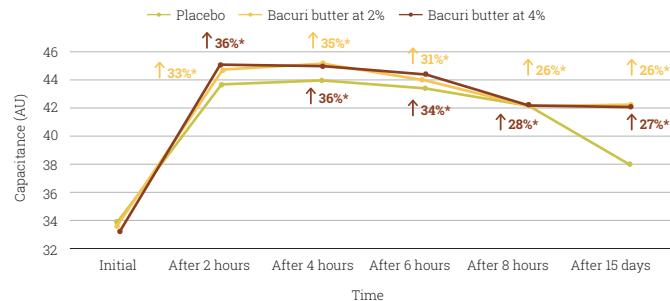
Properties

- High nutritional value – contains vitamins D2, E and K;
- Significant content of minerals – magnesium, calcium and zinc;
- Source of tryptophan amino acid;
- Increases cellular energy;
- Promotes deep skin hydration;
- Improves the skin barrier integrity

Indication

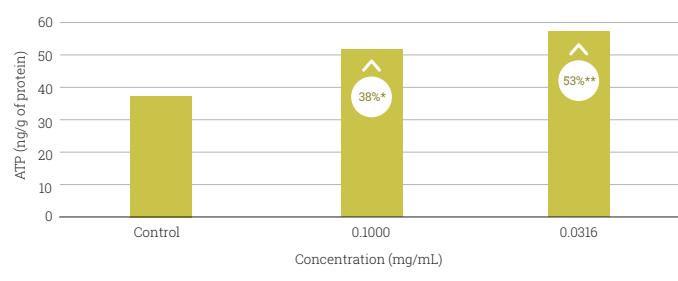
Skin care and scalp care products, with energetic, nourishing and moisturizing properties for mature skin.

Integrity of the Skin Barrier



Clinical assessment of the integrity of the skin barrier (measured in capacitance) in female volunteers over 45 years of age who underwent treatment for 15 days.

Cellular Metabolism



In vitro assessment of cellular energy production (ATP) in cultured human keratinocytes. Cells were treated with dilutions adapted for the *in vitro* protocol of the bacuri butter at 4%.



This icon represents organic certified ingredients



Beraca's Rain Forest Specialties line is composed of natural vegetable oils and butters sustainably sourced from the Amazon Rain Forest and other Brazilian biomes. The ingredients come from more than 100 extractive communities throughout Brazil and are manufactured to connect the Brazilian biodiversity with thousands of consumers worldwide. Through a relationship marked by transparency, traceability and innovation, Beraca contributes directly to regional development and environmental preservation.

- ✓ COSMOS certified raw materials
- ✓ Social enhancement
- ✓ Environmental responsibility
- ✓ Full traceability
- ✓ No animal testing



A beautiful Amazonian palm tree that thrives on river banks, mainly in the North Brazilian state of Pará. Its botanical genus (*Euterpe*) was named after one of the nine muses of greek mythology, a daughter of Zeus who represents pleasure and happiness.



Butter



Cosmetic grade



Refined butter



Bi-distilled



Perfumery grade



Refined oil

- Nutrition, revitalizing and moisturizing properties
- Contains omega 6
- Antioxidant agent
- Contains polyphenols
- Indicated for anti-aging products



Andiroba

Carapa guianensis

Q an-de-roh-ba

✓ Proven efficacy



A native dazzling tree noted for its impressive height and plank roots. Its seeds are washed ashore the river banks of the Amazonian Rainforest and are collected by locals and beneficiated to become a valuable active ingredient.

- Anti-inflammatory activity
- Moisturizing
- Wound healing activity
- Natural insect repellent agent
- Indicated for skin care products, specially sensitive skin

Annatto

Bixa orellana

Q ah-NAH-tow



A beautiful widely-cultivated plant, endemic to tropical America and the Amazon, being one of the most used sources for the production of natural reddish colorants and dyes.

- Natural coloring agent
- Contains bixin
- Soothing topical effect
- Indicated for baby skin care products, sun care and colour makeup



Babaçu

Orbignya oleifera

Q ba-ba-SU



A palm tree that may reach over 20m (66ft) in height, with leaves that can grow up to 3m (10ft) long. It thrives mainly in the Amazon and Cerrado (Brazilian savanna) regions and it bears as many as 2.000 fruits a year.

- Emollient agent
- Possible alternative for coconut oil
- Contains lauric acid
- Indicated for skin and hair care products

Brazil Nut

Bertholletia excelsa

Q Brazil Nut

✓ Proven efficacy



One of the tallest trees in the Amazon Rainforest, it grows as high as 50m (164ft) with a large crown of long branches which lay high above the canopies of other surrounding trees. Its fruits are heavy, weighing as much as 2.5kg per shell (woody seed capsule).

- Skin moisturizing activity
- Contains selenium
- Indicated for skin care products



Buriti

Mauritia flexuosa

Q bur-ee-CHEE

✓ Proven efficacy



A robust palm tree found in different Brazilian ecosystems, especially in the Cerrado (Brazilian savanna) and wet tropical forests of the Amazon. Its vegetable oil is obtained through the pulp cooking, which can also be used as an ingredient for nutritious sweets and desserts.

- Contains carotenoids
- Contains oleic acid
- Antioxidant properties
- Indicated for sun care and sensitive skin care products

Copaíba

Copaifera officinalis

Q co-pie-ba

✓ Proven efficacy



Copaíba is a tall thick-branched tree that thrives both in dry-ground forests and in swampy regions. It produces a resin with a special woody scent which is extracted through a sustainable process that prevents the damaging of the plant and guarantees its continuous production.

- Anti-inflammatory activity
- Contains beta-caryophyllene
- Natural bacteriostatic action
- High essential oil content
- Indicated for skin care products



Cupuaçu

Theobroma grandiflorum

Q ku-pu-ah-SU

✓ Proven efficacy



The Theobroma species is very abundant in the Amazon region and exhale a distinctive aroma into the atmosphere. Its fruits are picked up off the ground during the tropical rainy season and its seeds are pressed to be transformed into a soft and moisturizing butter.

- Long lasting moisturizing activity
- Emollient agent
- Skin barrier strengthening
- Improves skin elasticity
- Indicated for skin and hair care products

Murumuru

Astrocaryum murumuru

Q Murumuru

✓ Proven efficacy



A thorny palm tree, easily recognizable by its large leaves and usual short height, around 10m (30ft) maximum. It is found primarily in the Amazon Rainforest lowlands and its seeds are washed down from the Andes to the Amazonian rivers.

- Hair smoothness and hydration
- Indicated for skin and hair care products
- Contains lauric acid
- Skin barrier strengthening



Passion Fruit



Passiflora edulis

Q Passion Fruit

✓ Proven efficacy

"Maracujá" as it is known locally, is a warm-weather vine, also called as the "fruit of tranquility". The beauty of its blossoms also earned it the name of "passion fruit".

- Reduces skin oiliness
- Contains omega 6
- Emollient agent
- Promotes dry and velvety touch to the skin
- Indicated for oily skin care and hair care products

Patauá



Oenocarpus bataua

Q Pa-ta-WA

✓ Proven efficacy



An Amazonian palm tree which thrives in both dry-ground forests and swampy regions, reaching up to 25m (82ft). Patauá refined oil has unique characteristics such as light feel and extremely pale color.

- Moisturizing agent
- Reduces scalp desquamation after chemical treatment
- Light, non-greasy feel
- Contains oleic acid
- Indicated for scalp treatment and hair treatment after chemicals



Pequi



Caryocar brasiliense

Q Pay-key

✓ Proven efficacy

Pequi tree is native to the Cerrado, known as the Brazilian savanna, that grows wild throughout all the Midwest region of Brazil. "Cerrado's Gold", as it is known locally, the Pequi fruit provides a singular combination of biochemical compounds extracted by Beraca with proven efficacy and remarkable hair care activity.

- Defines and keeps curls under control
- Anti-frizz action
- Contains oleic and palmitic acids
- Emollient agent
- Contains provitamin A
- Indicated for curly hair care treatment, shampoo, conditioner, leave-on, serum, "low poo" and "co-wash" products



Ucuuba

Virola surinamensis

Q oo-koo-oo-ba



A species native to the wetlands and lowlands of the Amazon region which grows to a height of 35m (115ft). Although its wood is highly valued, it has been protected by the use of the vegetable oil, produced by the pressing of its seeds, preventing deforestation.

- Skin hydration
- Promotes dry touch
- Source of myristic acid
- Fast skin absorption
- Indicated for hair, skin and men care products

100% natural active ingredients complexes for specific applications. **Beraca** uses scientific methodologies to research, develop, evaluate and prove the efficacy of its **Active Performance Systems**, providing a systematic approach to beauty, through safe natural compositions.

Hair care



Anti-Dandruff Active System



Copaíba and Brazil Nut oil complex

Proven efficacy



Recommended use level: 2.0%

Actives

- Beta-caryophyllene
- Selenium

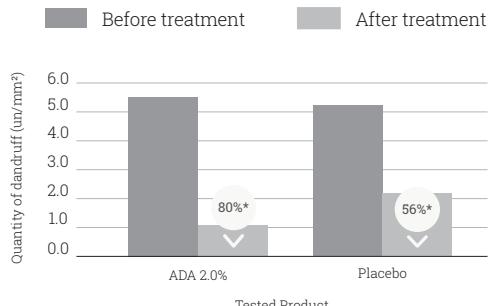
Properties

- Antiseborrheic
- Anti-inflammatory

Indication

Dry or oily dandruff-prone hair treatment products

Anti-dandruff Activity



* Statistical significance p<0.05 when compared to the condition before treatment.
In vivo evaluation results of anti-dandruff activity of ADA active at 2.0%. The treatment had 8 applications during 2 weeks.



Natural Hair Active Revitalization System

Açaí, Passion Fruit and Rice oil complex

Proven efficacy



Recommended use level: 2.0%

Actives

- Omega 6
- Flavonoids
- Gamma-oryzanol

Properties

- Increases vitality
- Revitalization
- Film former
- Intense glossiness

Indication

Silicone replacement for hair products

Sensory Analysis of Hair Revitalization



* Statistical significance p<0.05 when compared to Placebo.
In vivo evaluation results of hair revitalization sensory analysis of ARS Hair active at 2.0% after salon test.



Skin Care



Natural Skin Active Revitalization System

Açaí, Passion Fruit, Rice and Babaçu oil complex

Proven efficacy



Recommended use level: 2.0%

Actives

- Flavonoids
- Lauric acid
- Omega 6
- Gamma-oryzanol

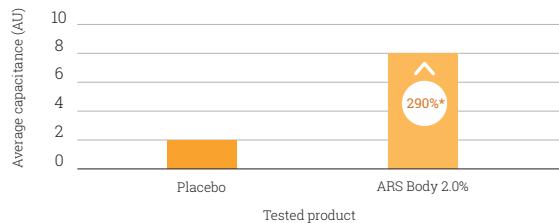
Properties

Skin regeneration, nutrition, revitalization, moisturizing and softness

Indication

Moisturizing creams and lotions, after-sun lotions, cellulite creams

Moisturization after Continuous Use



* Statistical significance p<0.05 when compared to Placebo.

In vivo evaluation results of skin moisturization activity, through corneometry, of ARS Body active at 2.0% after 28 days of treatment.

Moisturization Kinetics



* Statistical significance p<0.05 when compared to Placebo. ** Statistical significance p<0.05 when compared to Control. In vivo evaluation results of moisturization kinetics, through corneometry, of ARS Body active at 2.0% during 8 hours.



Anti-Acne Active System

Andiroba, Copaíba and Açaí oil complex

Proven efficacy



Recommended use level: 2.0%

Actives

- Beta-caryophyllene
- Flavonoids
- Limonoids

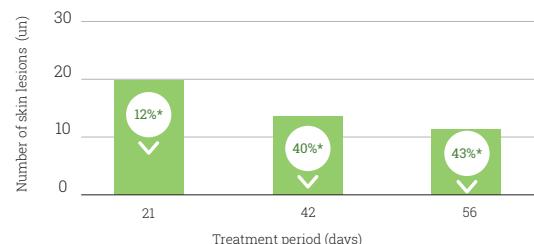
Properties

- Improves oily skin health
- Anti-inflammatory
- Reduces the effect of acne

Indication

Products for oily and acne-prone skin

Anti-acne Activity



*Statistical significance p<0.05 compared to the condition before treatment.

In vivo evaluation results of anti-acne activity of AAA active at 2.0%. The treatment had a 56 days duration and the applications occurred once a day at night.





Bio Behenic Active System



Pracaxi oil complex



Proven efficacy



Skin care



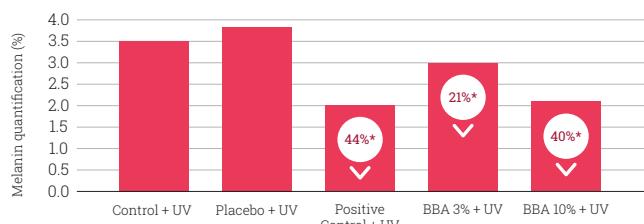
Properties

- Brightening activity
- Evens the skin tone
- Stimulates hyaluronic acid and collagen synthesis

- Improves skin firmness
- Promotes deep hydration
- Anti-aging benefits

Brightening Activity

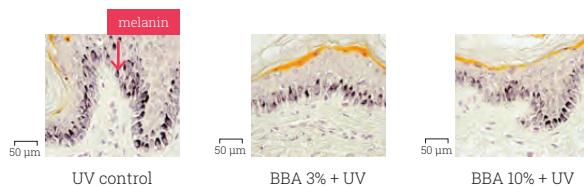
Melanin ex vivo evaluation with UV exposure



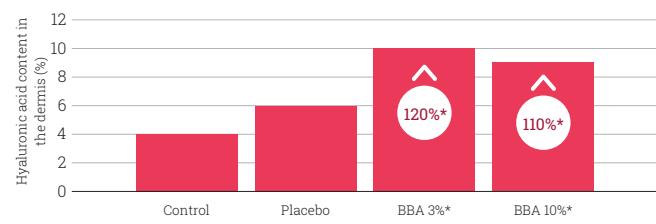
* Statistical significance p<0.05 compared to UV control.

Positive control: alpha-arbutin at 3%.

Morphological imaging of ex vivo samples subjected to UV exposure.

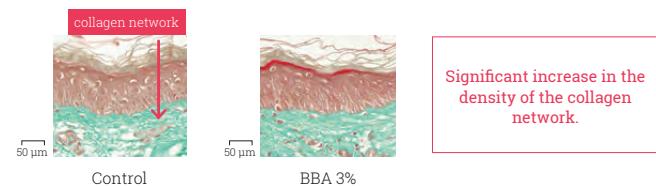


UV Exposure: daily from D0 to D8, irradiation with UV type A at 2.25 J/cm² (6 to 8% of UVB) corresponding to a dose of 15 minutes of sun light.



* Statistical significance p<0.05 when compared to control.

Morphological imaging of the collagen fiber network in human skin explants subjected to BBA at 3%.



Hair care

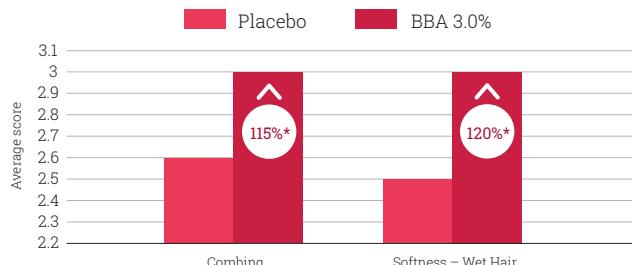
Properties

- Natural conditioning agent
- Compatible with cationic agents

- Silky feel for wet or dry hair
- Increases combability for dry or wet hair

- Increases shine
- Reduces frizz

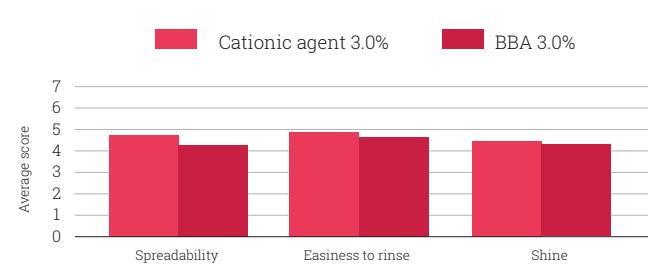
Conditioning Activity



*Statistical significance p<0.05 compared to Placebo.

Results of conditioning activity sensory analysis of BBA active at 3.0% after salon test.

Efficacy Equality



Results of efficacy equality of BBA active at 3.0% when compared to the cationic agent at 3.0% after salon test.



Vegetable exfoliating agents 100% natural and biodegradable developed to provide a stimulating scrub action to personal care products, with gentle effect and low abrasiveness.



Açaí



Açaí Seed



Andiroba



ARS
(Açaí +
Guarana)



Buriti



Cupuaçu



Murumuru



Recommended use level: 1% - 10%

AVERAGE GRANULOMETRY DISTRIBUTION: 250 µm

Properties

- Improves blood circulation by physically stimulating the skin
- Removes dead skin cells
- Rejuvenates the skin
- Removes impurities from pores
- Promotes a soft feeling to the skin

Indication

- Shower gels
- Liquid and bar soaps
- Scalp care products
- Facial cleansing
- Hand and feet preparations
- Skin massage products

100% Natural Scrubs Sustainably Harvested



Vegetable extract from the Brazilian biodiversity.



Açaí



Recommended use level: 2% - 5%

Properties

- Contains anthocyanins
- Antioxidant active

Indication

- Body and facial products
- Hair products



BeraMinerals

As the result of the millennial process of rock's transformation, Brazilian biodiversity's clays and minerals hold lots of secrets for a life full of quality. Therefore, **Beraca** has created the BeraMinerals, a product line that includes two high potential compounds for cosmetics industry.

Beraclays: Active Mineral Colors



BeraMinerals line is For Life
Social Responsibility certified

Beraca's line of Beraclays offers a unique variety of colors and distinct cosmetic benefits obtained through sustainable production. It is composed of a wide range of natural color shades containing no artificial dyes or pigments. The colors are variations of minerals and microminerals offered by nature.

Properties

- Light & heat stable colors
- Improves emulsion rheology

- Completely non-irritating
- No added dyes
- Enhances sensory feel in emulsions

Indication

- Masks
- Color cosmetics
- Soap bars

- Exfoliating products
- "Low-poo" shampoos
- Anti-aging creams

- Firming body creams
- BB creams
- Color conditioners

- Dry shampoos
- Deodorants
- Sun care products

AVERAGE GRANULOMETRY DISTRIBUTION: 15 – 50 µm



**Beraclay
Amazonian
White Clay**
Unique mineral composition

Properties

- Cooling sensation
- Soft particles
- Detox



Beraclay Purple
Good for sensitive skin

Properties

- Soft particles
- Detox
- Improves emulsion stability

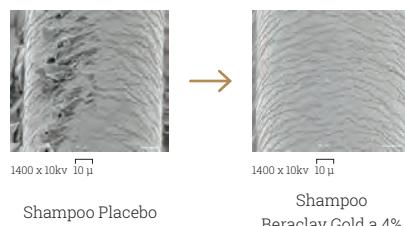


Beraclay Gold
Hair cuticle repair
● Proven efficacy

Properties

- Hair smoothing
- High color payoff
- Detox

Scanning Electron Microscopy Images
of bleached damaged hair



Improves
hair cuticle



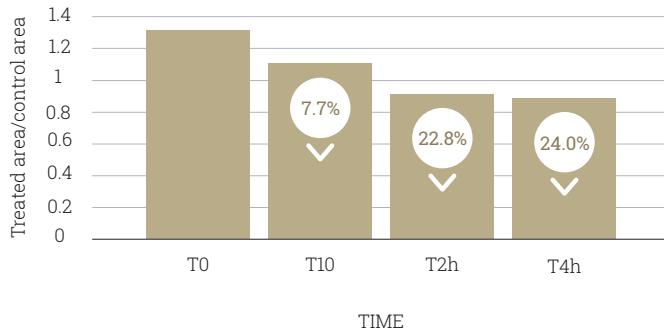
Beraclay Crude

Anti-aging
✓ Proven efficacy

Properties

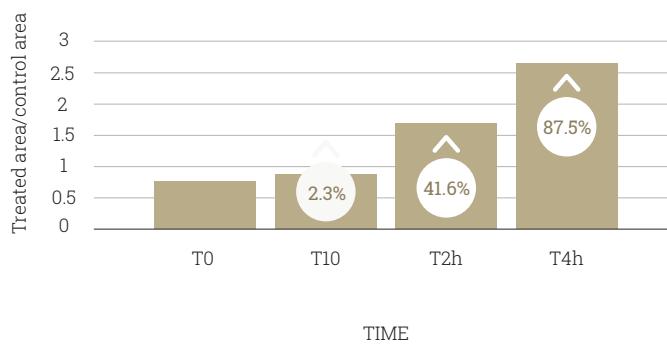
- Firming
- Detox
- Mattifying effect

Firming Effect



Results of the *in vivo* cutometric analysis performed in the face area with Beraclay Crude at 1.6g/mL with 20 minutes of application. The measurements were performed before the mask was applied (T0), immediately after removal of the mask (T20), after 2 hours (T2h) and after 4 hours of mask removal (T4h). The higher the tensor effect, the lower the ratio between the evaluated areas.

Elasticity



Results of the *in vivo* cutometric analysis performed in the face area with Beraclay Crude at 1.6g/mL with 10 minutes of application. The measurements were performed before the mask was applied (T0), immediately after removal of the mask (T10), after 2 hours (T2h) and after 4 hours of mask removal (T4h). The higher the elasticity, the higher the ratio between the evaluated areas.



Beraclay Red

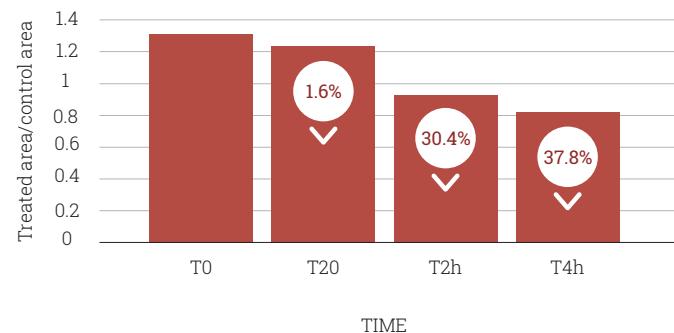
Improves cutaneous elasticity
✓ Proven efficacy

Properties

- Skin firming
- Antioxidant
- Anti-aging
- High color payoff
- Detox

Tensor Effect

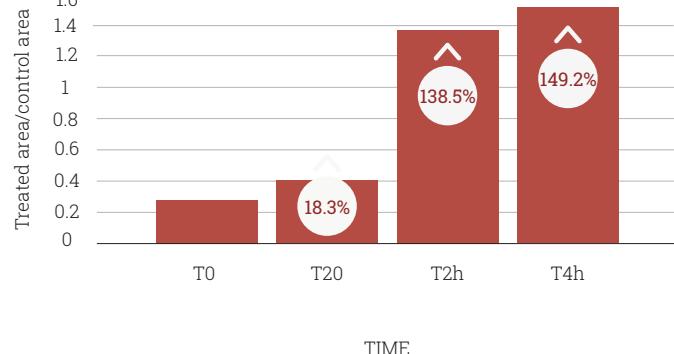
The greater the tensor effect, the lower the value of R0



Results of the *in vivo* cutometric analysis performed in the face area with Beraclay Crude at 1.6g/mL with 20 minutes of application. The measurements were performed before the mask was applied (T0), immediately after removal of the mask (T20), after 2 hours (T2h) and after 4 hours of mask removal (T4h). The higher the tensor effect, the lower the ratio between the evaluated areas.

Elasticity

The greater skins elasticity, the greater the value of R7



Results of the *in vivo* cutometric analysis performed in the face area with Beraclay Red at 1.6g/mL with 20 minutes of application. The measurements were performed before the mask was applied (T0), immediately after removal (T10), after 2 hours from removal (T2h) and after 4 hours of mask removal (T4h). The higher the elasticity, the higher the ratio between the evaluated areas.



Beraclay Yellow

Astringent effect

Properties

- Detox
- Oil control



Beraclay Light Green

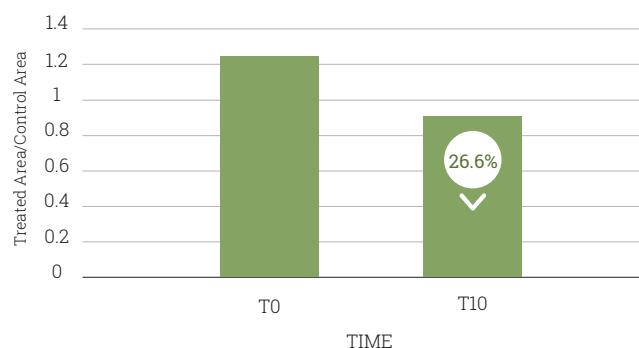
Oil control

Proven efficacy

Properties

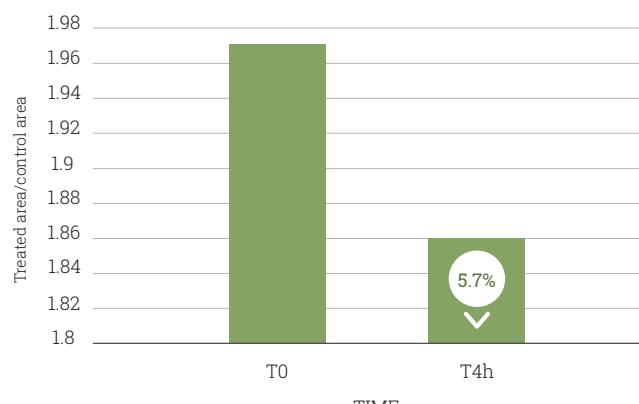
- Reduces oiliness of skin and scalp
- No oil return effect
- Detox

Oil Control



Results of the sebummetric analysis performed *in vivo* on the face area with Beraclay Light Green at 1.6g/mL with 10 minutes of application. The measurements were performed before the mask application (T0) and after 10 minutes of treatment (T10). The higher the anti-oil activity, the lower the ratio between the evaluated areas.

Firming Effect



Results of the cutometric analysis performed *in vivo* on the face area with Beraclay Light Green at 1.6g/mL with 20 minutes of application. The measurements were performed before the application of the mask (T0) and after 4 hours of the mask removal (T4h). The higher the tensor effect, the lower the ratio between the evaluated areas.



Beraclay Brown

High color payoff

Properties

- Detox
- Contains Mg



Beraclay Black

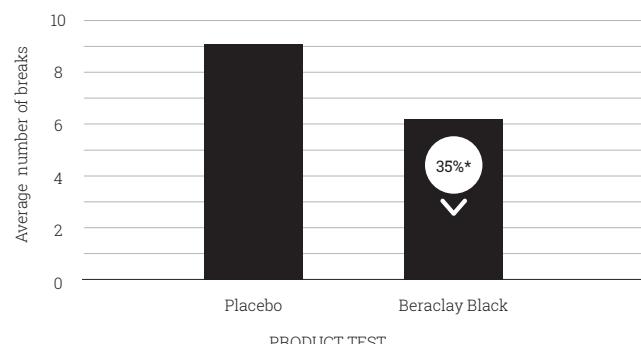
Hair thermal protection

Proven efficacy

Properties

- Anti-itch and anti-flaking for scalp
- High color payoff
- Reduces combing force
- Detox

Hair Strengthening



*Statistical significance p<0.05 compared to Placebo.

Results of the evaluation of combability from the maximum strength after single application of shampoo with Beraclay Black to 4% in wicks submitted to thermal stress.



Quartz Crystals

Natural facial and body scrubs in conformity to the Ecocert natural and organic cosmetic standard.

Properties

- Alternative to polyethylene microbeads
- 100% natural
- Skin and Stratum corneum renewal
- Stable and inert
- No sharp edges
- Non-allergenic
- No preservatives
- No gamma-irradiation
- No pigments or colorants
- No chemical processes during production

AVERAGE GRANULOMETRY DISTRIBUTION

- Facial quartz crystals – 100 µm
- Body quartz crystals - 500 µm

COMMUNITY 1

THIS IS HOW WE WORK!

Beraca has in its business model the principles of the **Convention on Biological Diversity (CBD)**, the Nagoya Protocol and of the **Biodiversity Law - Brazil (Law 13.123/2015)**, which determines how to access genetic resources from biodiversity sources and how to fairly share the benefits from its use.

It is a key aspect of our expertise to fully support our customers globally with all matters related to sustainable sourcing and supply chain traceability.



Beraca

+



Clients

+



Partners

Strategic alliances with several organizations, including universities and NGOs

PARTNERS 6

Universities, NGOs and Government





We bridge® is part of Beraca's DNA. It represents our multifaceted, unique and highly valued connection between socio-biodiversity reaches, market needs and innovative technologies.

This liaison allows our clients to get involved in a sustainable life cycle and measure its effective socioeconomic contribution to extractive communities and to the environment.

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