

BERACA



WE BRIDGE

REAL
Sustainability

**Beauty &
Personal
Care**



Beraca is the leading provider of natural ingredients ethically sourced from the Amazon Rainforest and other Brazilian biomes. Through its role of providing to the global Beauty & Personal Care industry Brazilian raw materials sourced by local families, Beraca's ingredients transform nature's elements into performance actives, adding value to a wide number of brands operating worldwide.

Our Mission: protect and add value back to nature and the communities.

We do this by connecting the Brazilian sociobiodiversity to global consumers through our tested, efficacious ingredients, and our social and environmental benefit programs offering traceable metrics that are important to us and our global customers.

The Beraca difference:

- 100% pure, clean products, including efficacy studies and stability tests
- Sustainability metrics that measure our customers' impact and value with all the supply chain
- Superior customer service and local offices worldwide
- Our **We Bridge** concept



WE BRIDGE

“**We Bridge** is Beraca's value proposition - bridging our community supply chains to the worldwide Health & Personal Care industry”.

Beraca offers turn key solutions on sustainable raw materials from the Brazilian biodiversity, product innovation and real marketing stories. By **We Bridge**, Beraca is connecting Brazilian local communities to its clients, helping them to achieve their sustainability goals through its ingredients.

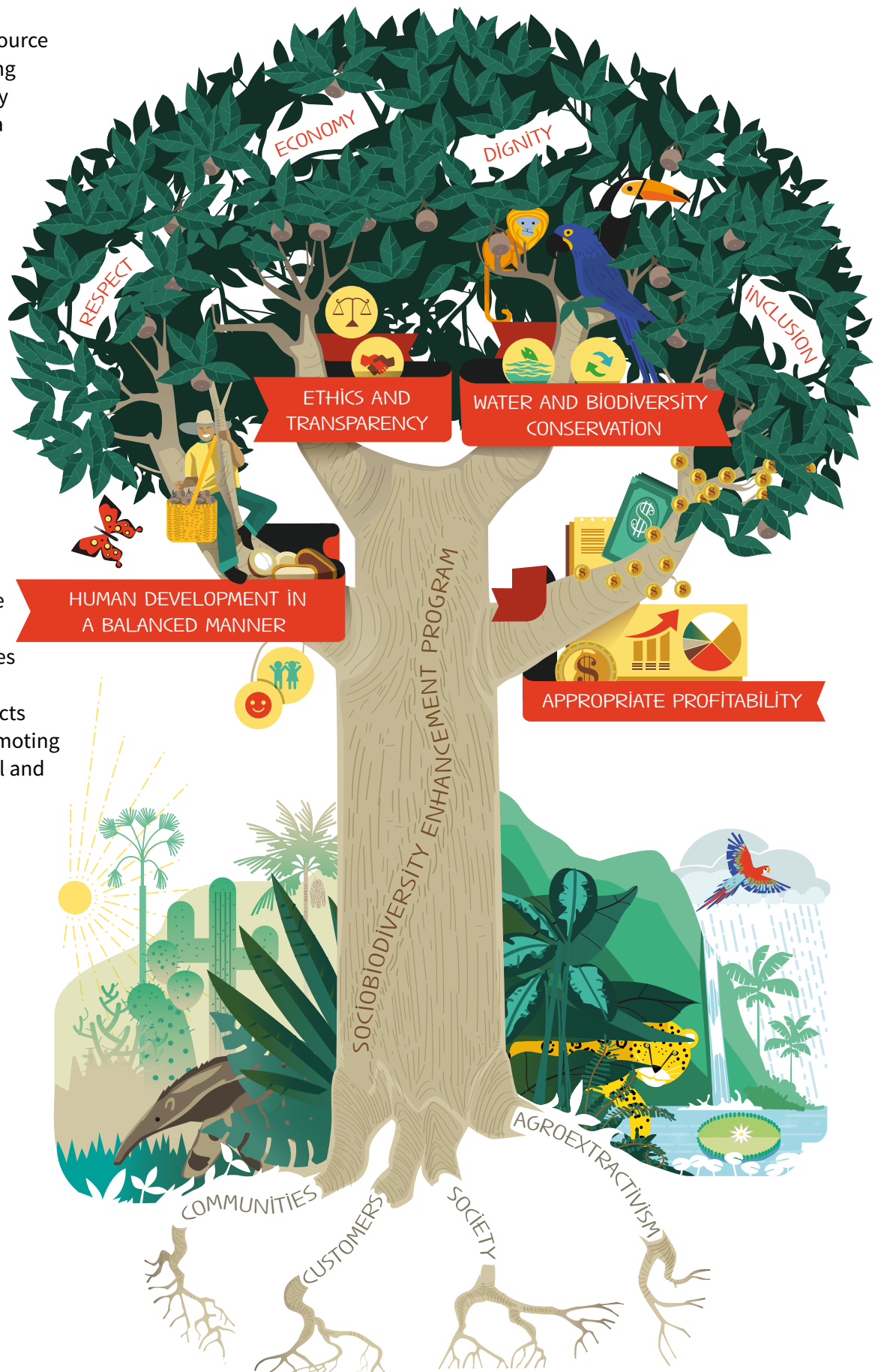
Benefits of **We Bridge**:

- Transparency - real marketing stories for the final products
- Full traceability - in person visits to sourcing communities
- Positive enhancement on the environment and communities
- True positive impact keeping the forest standing, protecting the wildlife and water resources
- Ingredients stories engaged with companies' values
- Real metrics and impacts measurement available to our customers
- Give-back projects available for customer support

Beraca's Sociobiodiversity Enhancement Program®

Sociobiodiversity is our source of inspiration, by providing from nature to you beauty active ingredients, Beraca plays its role based on our Sociobiodiversity Enhancement Program®, established in 2000 to create shared value strategies within its supply chains of raw materials from Brazilian biodiversity.

To create value for our customers, communities, suppliers, partners, employees and shareholders, we need to focus on areas that we are truly connected to. In this sense, we turn our energies to the communities that supply biodiversity products based on four pillars, promoting respect, dignity and social and economical inclusions.





Composed of natural vegetable oils and butters sustainably sourced from the Amazon Rainforest and other Brazilian biomes.

Rainforest Specialties Line ingredients come from more than 100 extractive communities and benefits over 10.000 direct people through a relationship guided by transparency and ethics. Therefore, Beraca and its clients are directly contributing to Brazilian social and economical regional development.

Our team is also specialized and supports our clients with formulations, prototypes, market trends and ingredient export knowledge.

Beraca's Rainforest Specialties Line is unique as it offers the market high quality standards and differentials.

- Oils are available as cosmetic grade, non-refined and refined versions – refined oils follow high quality standards for improved performance in cosmetic formulations.
- Our products are standardized and come with industry-leading shelf-life.
- Our ingredients have been efficacy tested for various skin and hair care benefits.

- **Social enhancement**
- **Cosmos raw materials**
- **Vegan – no animal testing**
- **Natural origin – verify ISO 16.128 compliance**
- **Full traceability**





This icon represents organic certified ingredients



This icon represents China approved ingredients



Açaí Oil



Euterpe oleracea | ah-sigh-ee  

Antioxidant, nutrition and revitalizing properties

- Contains omega 6, 9 and polyphenols
- Moisturizing activity
- Absorbs quickly with high slip
- Cosmetic grade version available
- Proven efficacy
- Indicated for pro-aging products

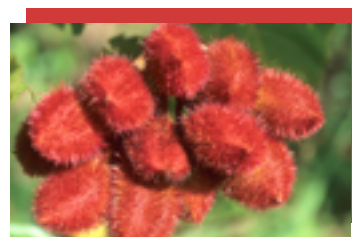


Andiroba Oil



Carapa guianensis | an-de-roh-ba  

Moisturizing and insect repellent activity

- Absorbs very quickly with high shine
- Contains omega 9
- Anti-inflammatory and healing properties
- Proven efficacy
- Indicated for skin care products, especially sensitive skin



Annatto Oil



Bixa orellana | ah-NAH-tow  

Skin calming properties

- Antioxidant properties
- Improves hydration
- Low spreadability with very dry after feel
- Cosmetic grade version available
- Indicated for baby skin care, sun and after sun care products and colour make-up



Babauçu Oil

Orbignya oleifera | ba-ba-SU  

Emollient agent and alternative to coconut oil

- Rich in lauric acid
- Slightly oily feel
- Indicated for skin and hair care products



Bacuri Butter

Platonia insignis | bah-cour-REE 

Promotes skin nutrition with energetic, nourishing and moisturizing properties for mature skin

- High nutritional value (Mg, Ca, Zn, Vitamins D2, E and K and also tryptophan amino acid)
- Increases cellular energy while improving skin barrier function and promotes deep hydration
- Powdery feel and low oiliness
- Proven efficacy
- Indicated for skin and scalp care products



Brazil Nut Oil



Bertholletia excelsa | Brazil Nut  

Skin barrier strengthening

- Moisturizing activity
- Very oily and hydrated after feel
- Proven efficacy
- Indicated for skin care products

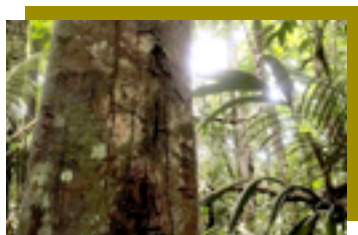


Buriti Oil

Mauritia flexuosa | bur-ee-CHEE  

Antioxidant properties and moisturizing activity

- Film forming property
- Rich in omega 9 and carotenoids
- Proven efficacy
- Indicated for sun care, after sun and sensitive skin care products



Copaíba Oil

Copaifera officinalis | co-pie-ba  

Anti-inflammatory and antimicrobial properties

- Contains beta-caryophyllene
- Essential oil content
- Absorbs quickly, good hydration after feel
- Perfumery grade and Bi-distilled version available
- Proven efficacy
- Indicated for skin care products



Cupuaçu Butter



Theobroma grandiflorum | ku-pu-ah-SU  

Skin barrier strengthening with improvement on skin's elasticity and long lasting moisturizing activity

- Contains stearic acid
- Balanced sensorial profile
- Proven efficacy
- Indicated for skin and hair care products



Murumuru Butter

Astrocaryum murumuru | muru-muru  

Skin barrier strengthening and hair smoothness and hydration

- Rich in lauric acid
- Moisturizing activity and sensory natural alternative to silicone elastomer
- High spreadability, low tackiness with high silicone feel
- Proven efficacy
- Indicated for skin and hair care products focused on new textures, with exclusive sensorial properties



Passion Fruit Oil

Passiflora edulis | Passion Fruit 

Reduces skin oiliness with mattifying effect properties

- Rich in omega 6 and contains omega 9
- Moisturizing activity
- Dry yet nourished after feel
- Proven efficacy
- Indicated for oily skin care and for hair care products



Pataua Oil

Oenocarpus bataua | pa-ta-WA 

Restores hair scalp health

- Reduces scalp desquamation after chemical damage
- Rich in omega 9
- High shine with hydrated and non-greasy after feel
- Proven efficacy
- Indicated for scalp and hair treatments



Pequi Oil


Caryocar brasiliense | pay-key 

Curl retention with frizz control, build-up free

- Contains provitamin A, omega 9 and palmitic acid
- Orange oil with lovely fruity smell
- Hydrated after feel
- Proven efficacy
- Indicated for curly hair care treatment

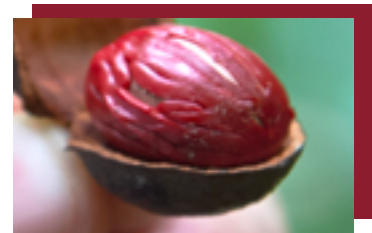


Tucumã Butter

Astrocaryum vulgare | too-coo-mum  

100% natural alternative to silicone feel

- Rich in lauric acid
- Maintains skin's moisture balance and strengthens hair fiber
- Ultra high spreadability and silicone feel with very low tackiness
- Proven efficacy
- Indicated for skin and hair care products focused on new textures, with an exclusive sensorial properties



Ucuuba Butter

Virola surinamensis | oo-koo-oo-ba

Mattifying effect with skin repairing properties

- Contains myristic acid
- Matte, non-shiny finish on skin and hair
- High melting point without oily feel
- Indicated for hair, skin and men care products



Natural active ingredients complexes developed through scientific methodologies, evaluation and efficacy tests for high performance specific applications.

Skin Care



Cannabinoid Active System

natural approach to CBD

The search for natural ingredients that address the integrity of well-being is a constant in today's world. The concept of Wellness in all aspects of life includes inner balance and healthcare (through balanced eating as well as peaceful sleep), along with daily stress mitigation.

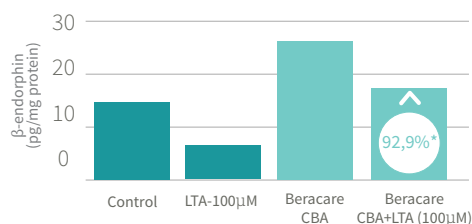
Beracare CBA is an ingredient with wellness and de-stressing properties. It promotes various skin benefits, such as calming, improved healing activity and providing comfort as a whole. In addition, the product is a safe alternative to CBD, with versatility of uses and applications in different cosmetic products such as tonics, lotions, gels, creams, soaps, etc.

Increases β -endorphin production

- Oil based active that binds to CB2 receptors
- High levels of terpenes and unsaturated fatty acids – specially linoleic acid
- Anti-inflammatory activity, improves skin healing
- Completely safe, no THC and no regulatory issues
- Proven efficacy
- Indicated for mindful beauty, scalp care and facial care products - tonics and gels, serums, creams and lotions

Wellness Properties

β -endorphin

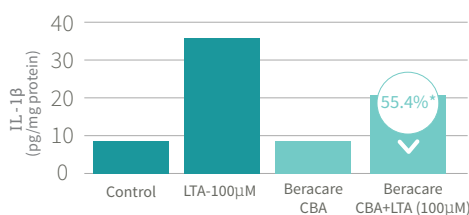


* Statistical significance of $p < 0.001$ compared to LTA group

Effects of Beracare CBA (applied at 100%) in the production of β -endorphin in human skin culture ex vivo.

Anti-Inflammatory Activity

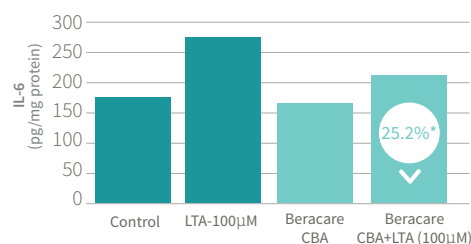
Interleukin IL-1 β



* Statistical significance of $p < 0.001$ compared to LTA group

Effects of Beracare CBA (applied at 100%) in the production of IL-1 β in human skin culture ex vivo.

Interleukin IL-6



* Statistical significance of $p < 0.001$ compared to LTA group

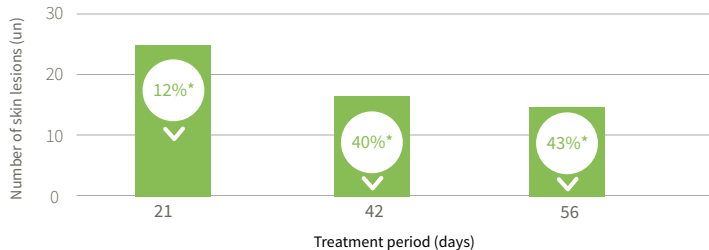
Effects of Beracare CBA (applied at 100%) in the production of IL-6 in human skin culture ex vivo.



Anti-Acne Active System



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.

Flavonoids, limonoids and beta-caryophyllenes

- Improves oily skin health, reducing the effects of acne
- Anti-inflammatory activity
- Recommended use level: 2.0%
- Proven efficacy
- Indicated for oily and acne-prone skin products



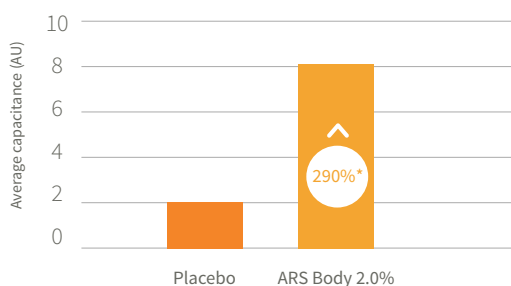
Skin Active Revitalization System



Flavonoids, gamma-oryzanol, lauric acid and omega 6

- Promotes skin regeneration and revitalization
- Nutrition, softness and moisturizing activity
- Protection and maintenance of color and brightness in tattoos and eyebrow micropigmentation
- Recommended use level: 2.0%
- Proven efficacy
- Indicated for moisturizing creams and lotions, after-sun lotions, cellulite creams, tattoo care products and eyebrow creams and gels

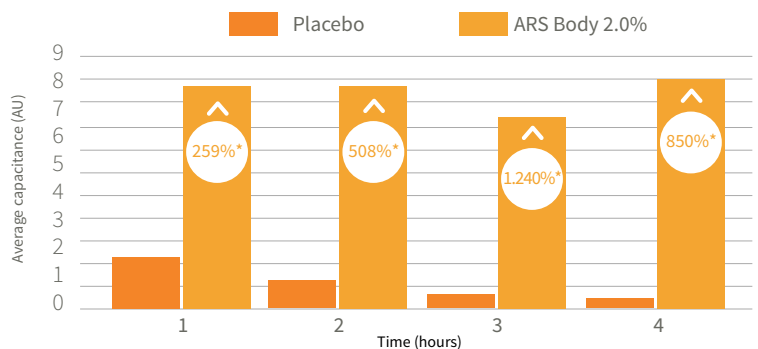
Moisturization After Continuous Use



* Statistical significance $p < 0.05$ 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 $p < 0.05$ compared to PLACEBO.

In vivo evaluation results of moisturization kinetics, through corneometry, of ARS Body active at 2.0% during 8 hours.

Tattoo Care Properties



BEFORE

AFTER

B&W: Black tattoo photographic record before and after 10 consecutive days of cream treatment with ARS Body at 3.0%.



BEFORE

AFTER

Coloured: Coloured tattoo photographic record before and after 10 consecutive days of cream treatment with ARS Body at 3.0%.

- 100% of the volunteers affirmed that ARS Body was effective in promoting shine in tattoos
- 75% of the volunteers affirmed that ARS Body was effective in enhancing color in tattoos
- 83.3% of the volunteers affirmed that ARS Body was effective in enhancing contour definition in tattoos
- 91.7% of the volunteers affirmed that ARS Body was effective in promoting softness and smoothness to touch on tattoo skin region



Bio Behenic Active System



- Proven efficacy
- Recommended use level: 3.0%

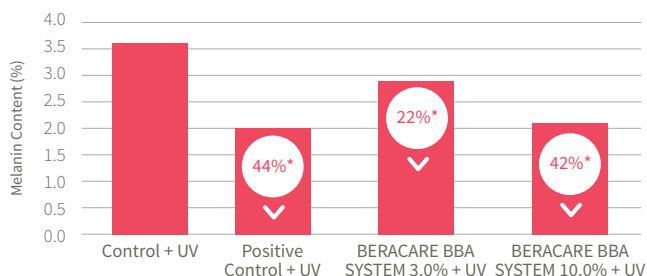
Skin Care

Stimulates hyaluronic acid and collagen synthesis, improving skin firmness

- Brightening activity
- Evens the skin tone
- Promotes deep hydration
- Pro-aging benefits
- Indicated for facial care products

Brightening Activity

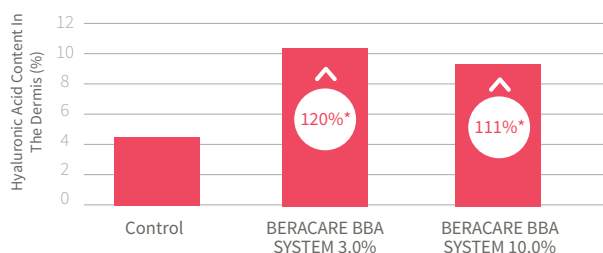
Melanin ex vivo evaluation with UV exposure



* Statistical significance $p < 0.05$ compared to UV CONTROL.
Positive control: alpha-arbutin at 3.0%.

Pro-aging Benefits

Hyaluronic acid quantification assessment



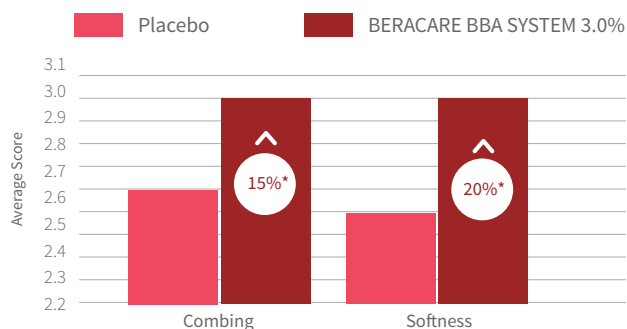
* Statistical significance $p < 0.05$ compared to UV CONTROL.

Hair Care

Natural conditioning agent, compatible with cationic agents

- Increases combability and promotes silky feel for dry or wet hair
- Increases shine and reduces frizz
- Indicated for conditioning hair care products - hair conditioners, hair treatments, masks, combing creams and leave-in products

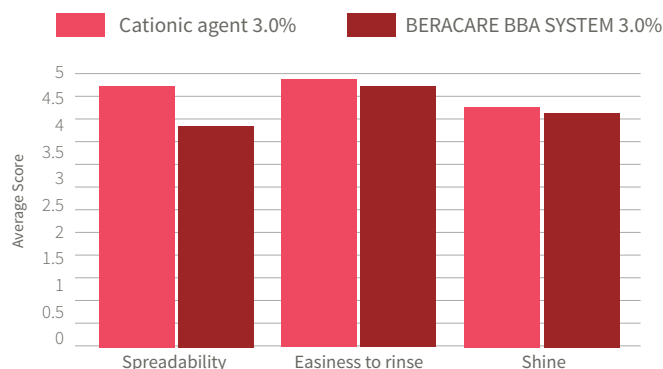
Conditioning Activity



* 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



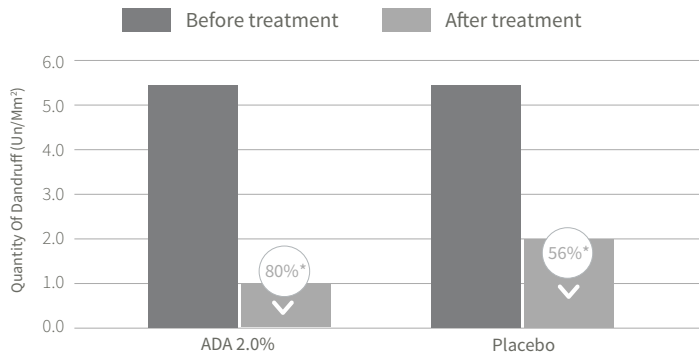
Results of efficacy equality of BBA active at 3.0% when compared to the cationic agent at 3.0% after salon test.



Anti-Dandruff Active System



Anti-dandruff Activity



* Statistical significance $p < 0.05$ 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 for 2 weeks.

Rich in selenium and beta-caryophyllene

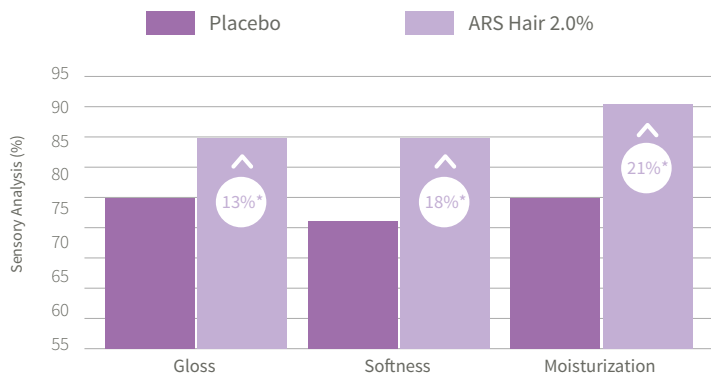
- Antiseborrheic and anti-inflammatory properties products
- Recommended use level: 2.0%
- Proven efficacy
- Indicated for dry or oily dandruff-prone hair treatment



Hair Active Revitalization System



Sensory Analysis of Hair Revitalization



* Statistical significance $p < 0.05$ compared to PLACEBO.

Evaluation results of hair revitalization sensory analysis
of ARS Hair active at 2.0% after salon test.

Omega 6, flavonoids and gamma-oryzanol

- Revitalization, increases vitality
- Film forming and intense glossiness properties
- Recommended use level: 2.0%
- Proven efficacy
- Indicated for conditioning hair care products - hair conditioners, hair treatments, masks, combing creams and leave-in products





Natural vegetable extracts with standardized active concentration and proven efficacy.

Açaí extract

Standardized high anthocyanin concentration

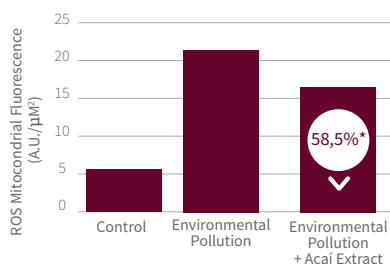
- Antioxidant, anti-pollution and anti-glycation activities
- Promotes cellular balance
- Recommended use level: 1.0% to 3.0%
- Proven efficacy
- Indicated for pro-aging products - serums, creams, lotions and men care



Beraca relaunches its Açaí Extract. From the new ingredient, efficacy tests were conducted and Açaí Extract proved to be an important ally to reduce the signs of aging.

Due to its nutritious composition and the presence of high concentration of oxidants such as anthocyanins, Açaí Extract is recommended for pro-aging products, with anti-glycation and anti-pollution action, attenuating wrinkles and improving the skin's vitality and brightness, also protecting it against external aggressions.

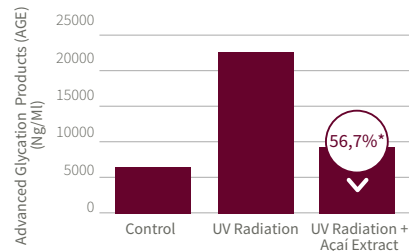
Anti-pollution



*Statistical significance $p < 0.001$ compared to ENVIRONMENTAL POLLUTION.

Semi-quantification of fluorescence relative to mitochondrial superoxide anion production revealed by oxidation of the MitoSOX™ Red probe in human fibroblasts culture incubated with Açaí Extract at 100 mg/mL and subjected to Environmental Pollution (Carbon Black Raven 410 at 0.01 mg/mL).

Anti-glycation



*Statistical significance $p < 0.001$ compared to ENVIRONMENTAL POLLUTION.

Effect of Açaí Extract at 100 mg/mL on the synthesis of Advanced Glycation End Product (AGE) in human fibroblasts culture subjected to UV Radiation (10 J/cm²).

The new Açaí Extract is twice interesting and suitable for the current demands of the market because besides having a higher concentration of actives, now the Beraca's Açaí is a Zero Waste ingredient, i.e., without any waste generated. With the full exploitation of the species, from a single raw material, all its parts are applied in different cosmetic ingredients – extract, oil and scrub.



Specialties

State-of-the-art technology and versatility in terms of properties and application mark the product that is part of the Specialties line.

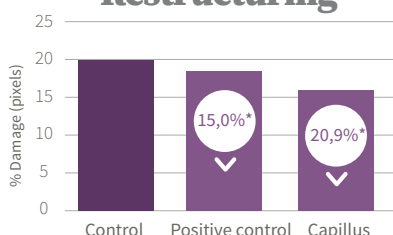


The synergy between natural sustainable ingredients and technology for maximum performance in hair care products. This innovative surfactant combines the benefit of an amidoamine and the benefits of pracaxi oil (rich in behenic acid).

Promotes volume control and aligns hair fiber, improving combability

- Restores and restructures the hair fiber
- Promotes intense hair shine and glossiness
- Seals hair cuticles, decreasing hair fiber porosity
- Recommended use level: 2.0%
- Proven efficacy
- Indicated for hair care products including hair conditioners, treatments, masks, combing creams and leave-in products

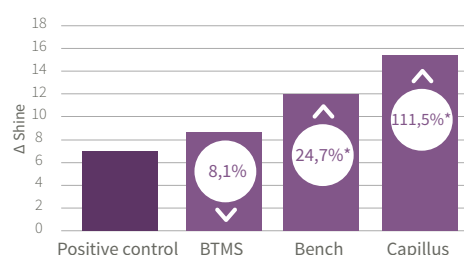
Shine Hair Fiber Restructuring



*Statistical significance $p < 0.05$ compared to CONTROL.

Analysis of the ingredient's potential to restructure the hair fiber via SEM (Scanning Electronic Microscopy) by comparing the treatment using Capillus and Positive Control (primary surfactant only) to Control (no product applied).

Shine



*Statistical significance $p < 0.05$ compared to POSITIVE CONTROL.


Analysis of hair shine by comparing the treatments using BTMS (Behentrimonium Methosulfate), Bench (commercial amidoamine) and Capillus to Positive Control (primary surfactant only).



Resulting from the transformation of rock occurring over many millennia, mineral clays from the Brazilian biodiversity offer wide benefits for hair and skin. Therefore, Beraca has created the BeraMinerals, a product line that includes high potential compounds for cosmetics industry.

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.

• Reduces skin oiliness without dehydrating the skin, improving maintenance of skin's moisture balance

- Detox effect
- Light & heat stable colors
- Improves emulsion rheology and sensory feel
- No added dyes and non-irritating
- For Life Certified – environmentally responsible 

• Particle Sizes Available:

15 - 50 µm: Indicated for masks, color cosmetics, bar soaps, exfoliating products, low-poo shampoos, anti-pollution products, firming body creams, pro-aging products, color conditioners, dry shampoos, deodorants, sun care product, BB creams, among others.

5.5 µm: Indicated for mineral make-up and aerosolized products, offering a talc-like feel.



Beraclay Amazonian White Clay



- Collected by local families from the Amazon river mouth banks, it has a rich and unique mineral composition
- Soft particles
- Cooling sensation and refreshing effect
- This product is fairly traded - Fair For Life certified, promoting equality, economical and social enhancement



Beraclay Purple



- Provides a purifying effect, good for sensitive skin

Beraclay Dark Red



- Antioxidant properties with anti-pollution effect

Beraclay Light Red



- Improves formulation aesthetics and emulsion stability

Beraclay Brown



- Provides natural color promotion for formulations

Beraclay Yellow



- Promotes detox effect with oil control

Beraclay Vanilla



- Improves emulsion stability with purifying properties

Beraclay Old Rose



- Restores skin barrier maintaining moisturization



Beramineral Deo



Adjuvant agent in deodorant and antiperspirant formulations

- Promotes improvements in the sensorial of formulations, adding fast drying and oily touch reduction;
- Action in both deodorant and antiperspirant systems;
- Proven efficacy

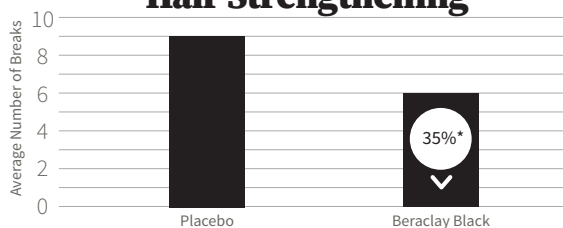


Beraclay Black



- Hair thermal protection
- Anti-itch and anti-flaking for scalp
- High color payoff
- Proven efficacy

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% intresses submitted to thermal stress.

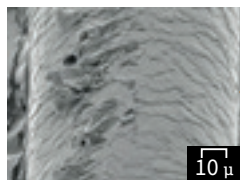


Beraclay Gold

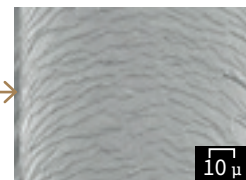


- Promotes smoothing of the hair cuticle, restoring shine
- High color payoff
- Proven efficacy

Scanning Electron Microscopy images of bleached damaged hair



1400 x 10kv
Shampoo Placebo



1400 x 10kv
Shampoo Beraclay Gold at 4.0%

IMPROVES
HAIR CUTICLE

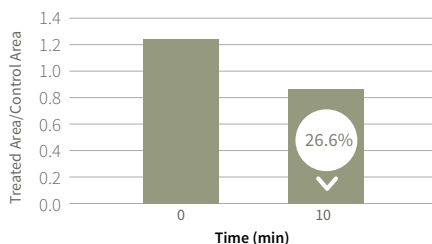


Beraclay Light Green



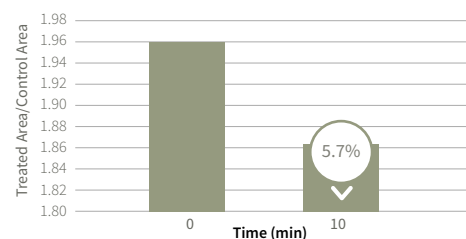
- Oil control properties, reduces oiliness of skin and scalp
- Proven efficacy

Oil Control



Results of the sebumetric 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 (0 min) and after 10 minutes of treatment (10 min). 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 (0 min) and after 4 hours of the mask removal (240 min). The higher the tensor effect, the lower the ratio between the evaluated areas.

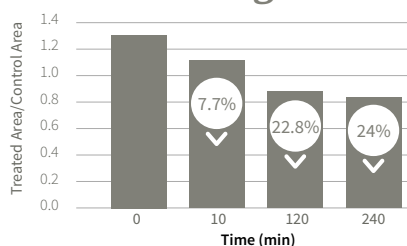


Beraclay Crude



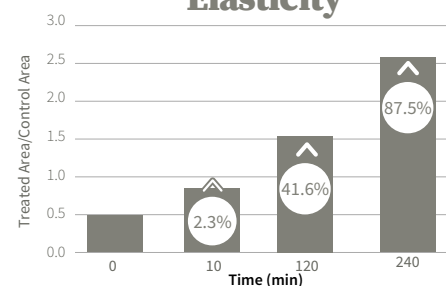
- Pro-aging properties with proven firming effect
- Proven efficacy

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 (0 min), immediately after removal of the mask (10 min), after 2 hours (120 min) and after 4 hours of mask removal (240 min). 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 (0 min), immediately after removal of the mask (10 min), after 2 hours (120 min) and after 4 hours of mask removal (240 min). The higher the elasticity, the higher the ratio between the evaluated areas.

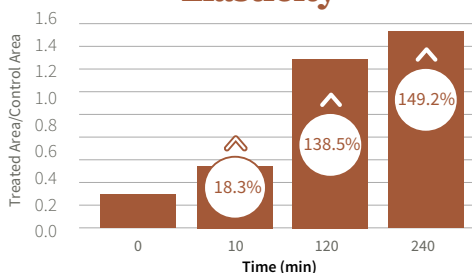


Beraclay Red



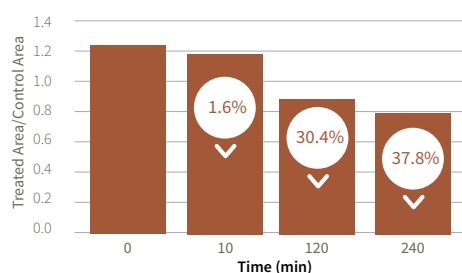
- Skin firming effect contributing to increased skin elasticity
- Antioxidant property
- High color payoff
- Proven efficacy

Elasticity

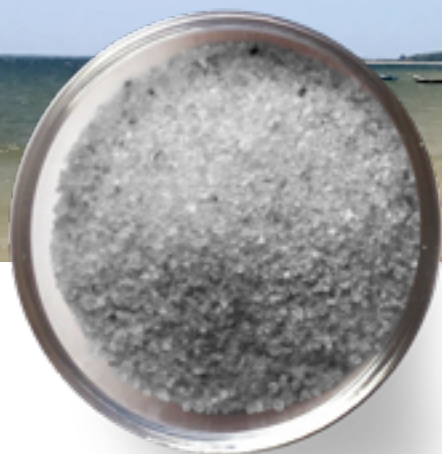


Results of the *in vivo* cutometric analysis performed in the face area with Beraclay Red at 1.6g/ml with 20 minutes of application. The measurements were performed before the mask was applied (0 min), immediately after removal of the mask (10 min), after 2 hours (120 min) and after 4 hours of mask removal (240 min). The higher the elasticity, the higher the ratio between the evaluated areas.

Tensor Effect



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 (0 min), immediately after removal of the mask (10 min), after 2 hours (120 min) and after 4 hours of mask removal (240 min). The higher the tensor effect, the lower the ratio between the evaluated areas.



Quartz Crystals



Natural facial and body exfoliating agents

- Skin and stratum corneum renewal
- No chemical processes during production
- No pigments or colorants
- Stable and inert
- Blue-beauty - safe for the oceans
- Non-allergenic, no sharp edges, no preservatives and no gamma-irradiation
- Particle Sizes Available:
 - 100 µm:** Facial Quartz Crystals
 - 600 µm:** Body Quartz Crystals



Biodegradable scrubs sustainably obtained



- Promotes an exfoliating action with gentle effect and low abrasiveness
- Improves blood circulation by physically stimulating the skin
- Removes dead skin cells and impurities from pores
- Rejuvenates and promotes a soft feeling to the skin
- Add a natural coloration to the formulation
- Recommended use level: 1% - 10%
- Indicated for shower gels, liquids and bar soaps, scalp care products, facial cleansing, hand and feet preparations and skin massage products

100%
natural
alternatives to microbeads

Particle sizes available: 250 µm



Açaí



Açaí Seed

Buriti

Cupuaçu

Murumuru

Andiroba

Beraca's Full Value Proposition Model



An innovative solution that provides our clients with streamlined access to ingredients from the Brazilian biodiversity.



Visit www.beraca.com/sustentabilidade for more details.



Get more information at:
institutoberaca.org



1 Determining which product – sourced from the Brazilian biodiversity – in Beraca's portfolio will be used by the client in their cosmetic or personal care formulations.



2 Beraca provides, in a transparent manner, the product's individual registration number, as well as information on the traceability of its production chain. These details are required for the registration of the finished product at the National System for Management of Genetic Heritage and Associated Traditional Knowledge (SISGEN).



3 As an additional service, Beraca may conduct product registration and reporting to the competent bodies, in accordance with the Brazilian law.



4 In case the client chooses to share benefits with the supplying communities through environmental and/or socioeconomic development projects, they will find several options of initiatives to support through Beraca Institute's online platform.



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