



LIPOVOL® ORIGIN CACAY

"Amazonian Gold" To Enrich The Skin And Hair

LIPOVOL® ORIGIN CACAY



Addressing **evolving consumer needs** in personal care



Preventative Approach to skincare

Consumers are taking the “prejuvenation” approach to skin aging, beginning their anti-aging routines sooner with natural, efficacious products that nourish and support overall appearance.



Environmental and Social Commitment

Ethical sourcing, traceability and sustainable production are important aspects to the consumer when purchasing personal care products. Transparency and commitment are key for ingredients such as natural oils.



Skinification & Premium Ingredients

The “skinification” trend has elevated body care, hair, and scalp care products to include premium, efficacious skincare ingredients. This allows for multi-functionality of products as consumers look for concise and effective personal care routines.

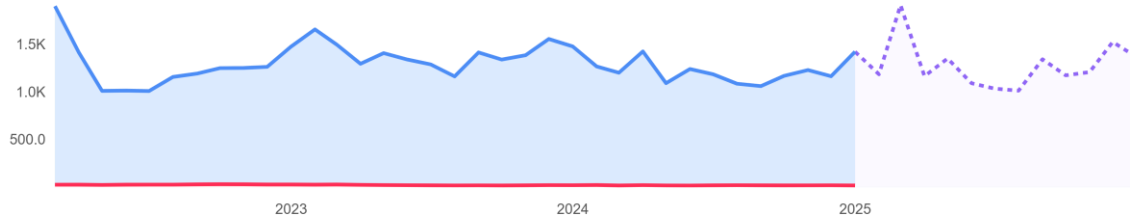
Trends for oil products and aging solutions

Consumers are increasingly interested in oil products for skin and hair as well as preventative aging solutions

Face Oil Products (Global)

-13.6% GOOGLE YoY
-10.0% TIKTOK YoY

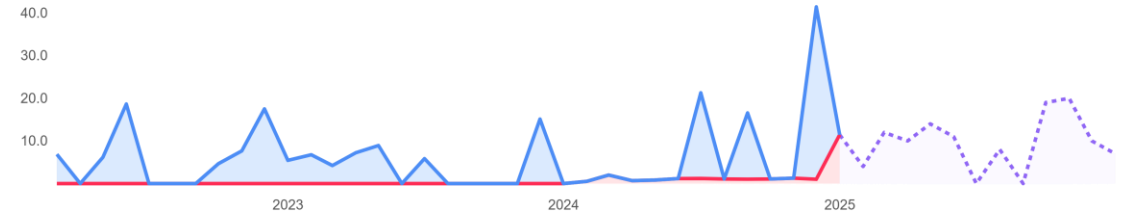
SPATE
+5.6% PREDICTED YoY



Graceful Aging (Global)

+106.4% COMBINED YoY
+58.1% GOOGLE YoY
- TIKTOK YoY

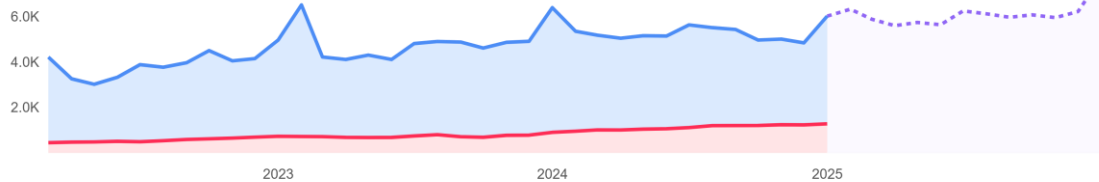
SPATE
+15.8% PREDICTED YoY



Hair Oil (Global)

+7.9% COMBINED YoY
0.0% GOOGLE YoY
+52.6% TIKTOK YoY

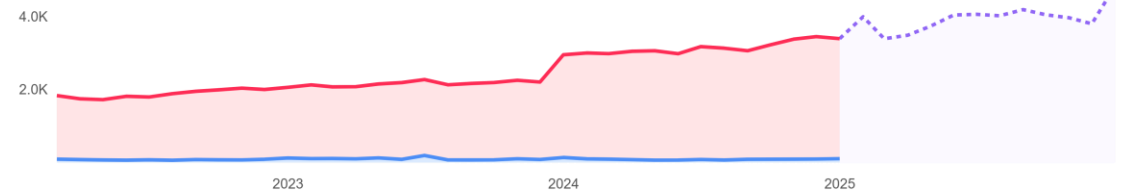
SPATE
+16.2% PREDICTED YoY



Anti Aging (US)

+41.4% COMBINED YoY
-18.6% GOOGLE YoY
+44.4% TIKTOK YoY

SPATE
+25.5% PREDICTED YoY



LIPOVOL® ORIGIN CACAY

Identity

Cold pressed luxurious oil derived from the nuts of Cacay evergreen trees that grow along the Andes mountains adjacent to the Amazon lowlands.

Cacay oil is rich in vitamin E and phytosterols such as beta-sitosterol. Its concentration of linoleic acid surpasses that of other common oils.

Natural sebum regulator that deeply nourishes the skin and hair while maintaining a lightweight and non-greasy texture.



Introducing the LIPOVOL® ORIGIN initiative



Traceability

- Commitment to traceability throughout the supply chain



Ethical Sourcing

- Including Supplier Code of Conduct commitment and dedication to economic empowerment and community projects



Environmental Sustainability

- Valuing local sourcing, upcycling, waste minimization, promotion of biodiversity and conservation, reforestation



Tracking through Quality Control

- Our commitment to verify through supplier evaluation, product testing, quality improvements, and certifications/compliance

Traceable Supply Chain

We partner directly with the farmer-manufacturers of Cacay Oil near the **Amazon region of Colombia** who are focused on sustainable practices and supporting local communities



Ethical Sourcing and Sustainability

LIPOVOL® ORIGIN CACAY is grown using responsible farming practices that respect both the land and local communities

Conservation



- Reforestation and preservation of land previously cleared for cattle or firewood
- Biodiversity diagnosis & monitoring of local wildlife

Ethical Sourcing



- More stable and higher income streams
- Supplier code of conduct ensures products and services are delivered ethically, legally, and in a manner that benefits all.

Sustainable Production



- Crop naturally irrigated from rainfall
- Integrated Pest Management practices utilized
- Cold-press extraction, unrefined

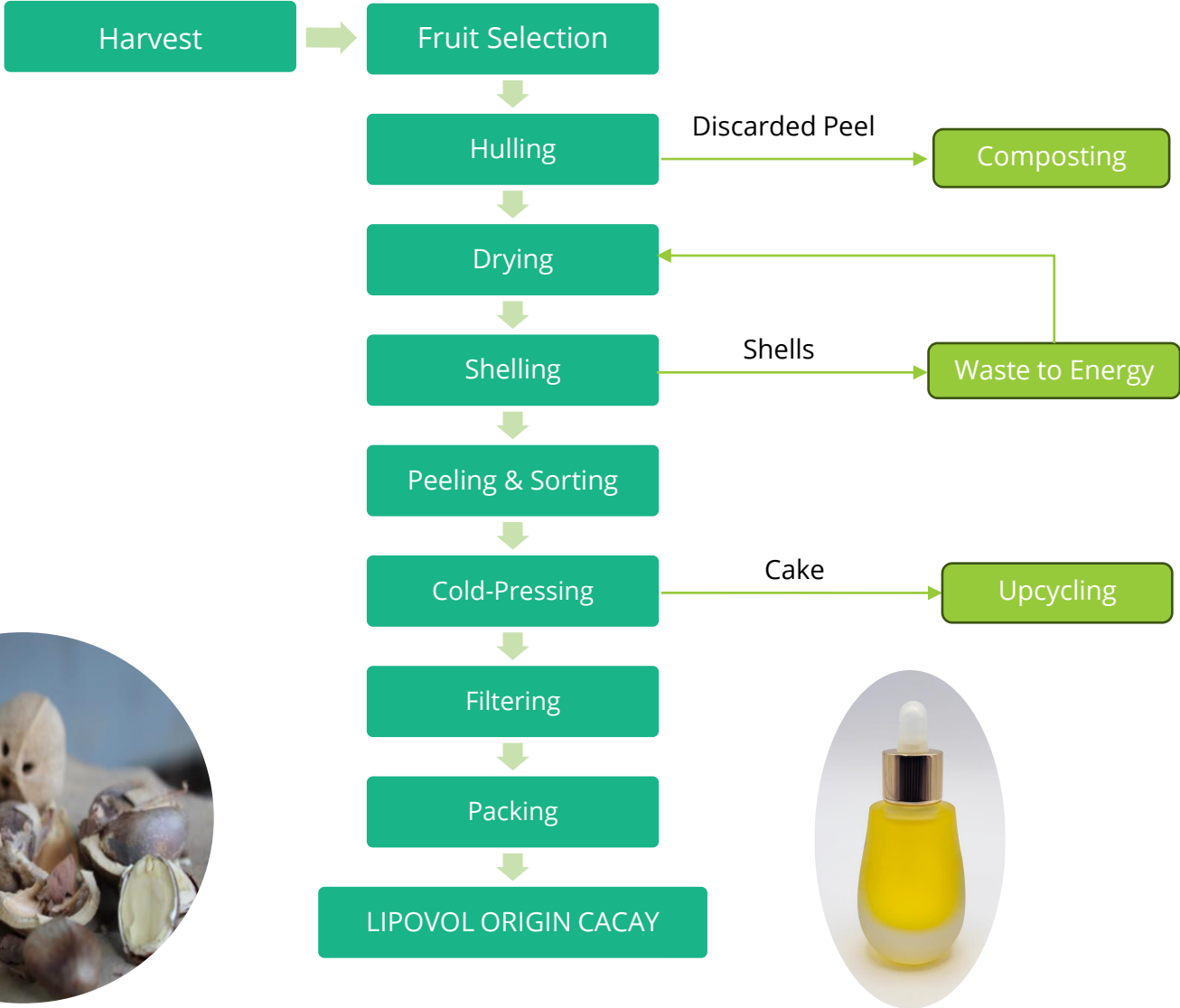
Waste Minimalization



- Compost of waste from fruit peeling process
- Waste to energy of shells for drying fruits
- Upcycling of cake from oil extraction

Production Flow to Reduce Overall Waste

LIPOVOL® ORIGIN CACAY reduces overall environmental waste through its production flow



LIPOVOL® ORIGIN CACAY

"Amazonian Gold" to Enrich the Skin and Hair

LIPOVOL ORIGIN CACAY is a fully traceable and sustainable Colombian cold-pressed oil that offers anti-aging and nourishing benefits for skin and hair. It is rich in vitamin E and phytosterols such as beta-sitosterol. Its concentration of linoleic acid surpasses that of other common oils, and it may help to improve skin hydration, smoothness, firmness, and elasticity.

The production of LIPOVOL ORIGIN CACAY supports local communities and encourages preservation of tropical rainforests, while delivering benefits for skin and hair for luxurious formulations.

INCI	Caryodendron orinocense seed oil
Appearance	Golden yellow
Preservative	N/A
Recommended Use Level	3-10%
Shelf life	1 year
GMO status	Non-GMO
Origin	Colombia

Primary Benefits

100% traceable, eco-friendly

Nourishing and elegant emollience

Hydrate and protect hair

Skin elasticity and firmness

Antioxidant activity

Data Available

In Vivo testing

Certifications



* Please contact your Vantage representative for details about registering your cosmetic product containing LIPOVOL ORIGIN CACAY in China.

LIPOVOL® ORIGIN CACAY

Composition

LIPOVOL ORIGIN CACAY contains high levels of:

- Omega-6 linoleic fatty acid, essential for growth and repairing of living cells, and Omega-3 linolenic acid which together help to restore the natural skin barrier, provide hydration and replenish lipids.
- Phytosterols which help strengthen the lipid barrier of the skin against dehydration.
- Alpha and beta tocopherols which help enhance antioxidant stability in formulations.

Fatty Acid Composition	%
Omega-9 (Oleic acid C18:1)	8.0 – 20.0
Omega-6 (Linoleic acid C18:2)	48.5 – 76.6
Omega -3 (α-Linolenic acid C18:3)	1.5 – 4.5
PUFA	50.0 – 81.1

STEROLS COMPOSITION %	
Cholesterol	0.1
Brassicasterol	< 0.1
24-methylenecholesterol	0.3
Campesterol	15.4
Campestanol	0.1
Stigmasterol	12.1
Delta 7-Campesterol	< 0.1
Delta 5, 23-Stigmastadienol	< 0.1
Clerosterol	0.8
Beta-sitosterol	63.9
Sistostanol	0.4
Delta 5 Avenasterol	5.6
Delta 5, 24-Stigmadienol	0.5
Delta 7-Stigmastanol	0.2
Selta 7-Avenasterol	0.5
Total Sterols (mg/kg)	2981

**Levels may vary batch to batch*

The background features a green-to-teal gradient with numerous translucent bubbles of varying sizes, creating a textured, scientific aesthetic.

In vivo data

Skin

LIPOVOL® ORIGIN CACAY

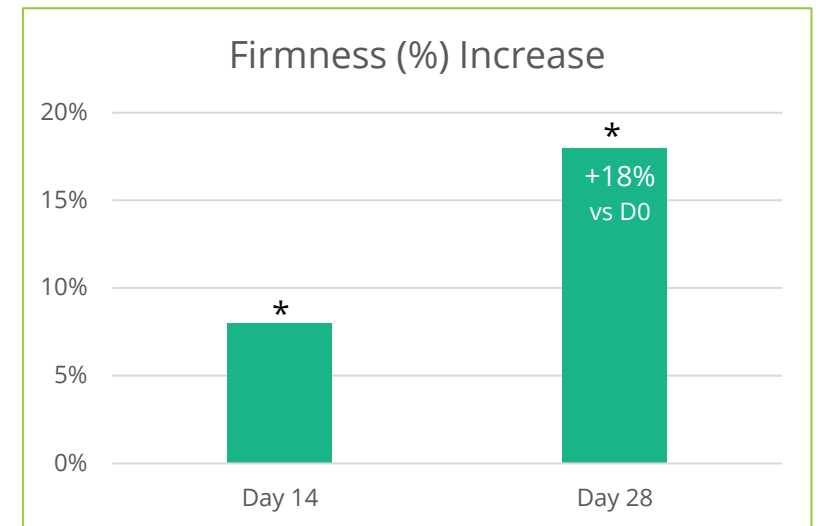
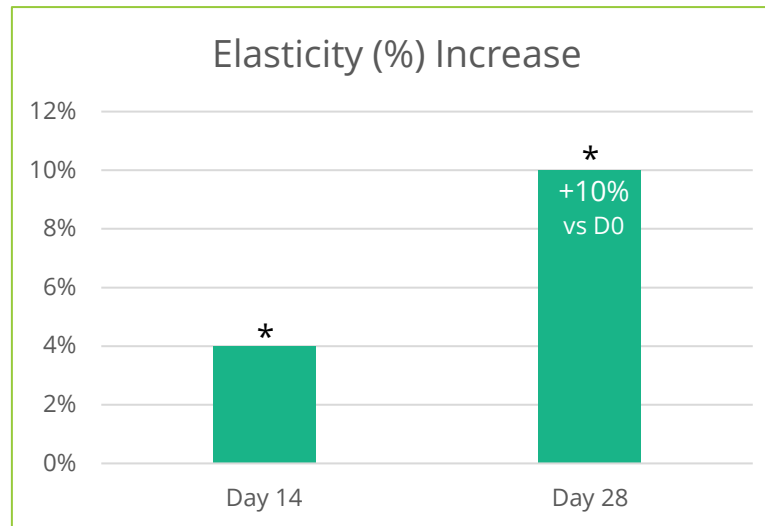
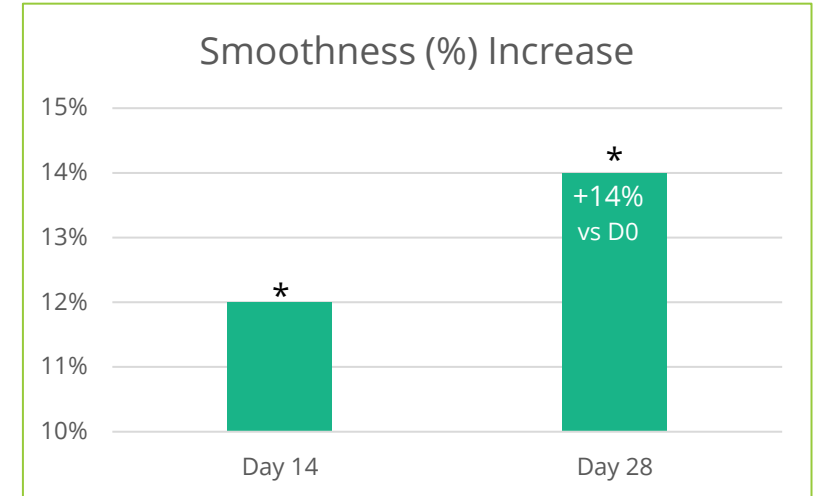
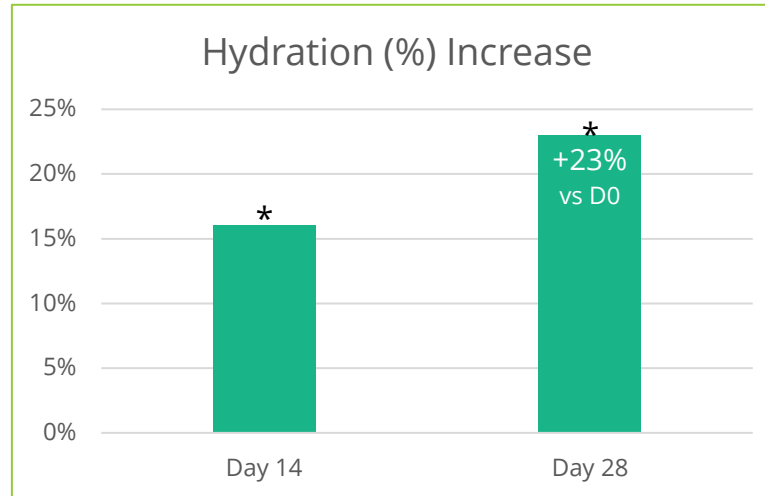
Skin Efficacy Studies

LIPOVOL® ORIGIN CACAY was found to significantly increase skin hydration, skin smoothness and enhance biomechanical properties after 28 days of use



Method:

- *Subject:* 20 volunteers
- *Test Product:* Pure Caryodendron Orinocense Seed Oil
- *Duration:* 28 days
- *Application:* Twice daily to inner side forearms
- *Measurement:* Skin hydration with Corneometer MPA 5 CPU; Skin firmness/elasticity by Cutometer MPA 580; Skin roughness by PRIMOS® 5.7 high-res



* p<0,05 compared to the Untreated Area

LIPOVOL® ORIGIN CACAY

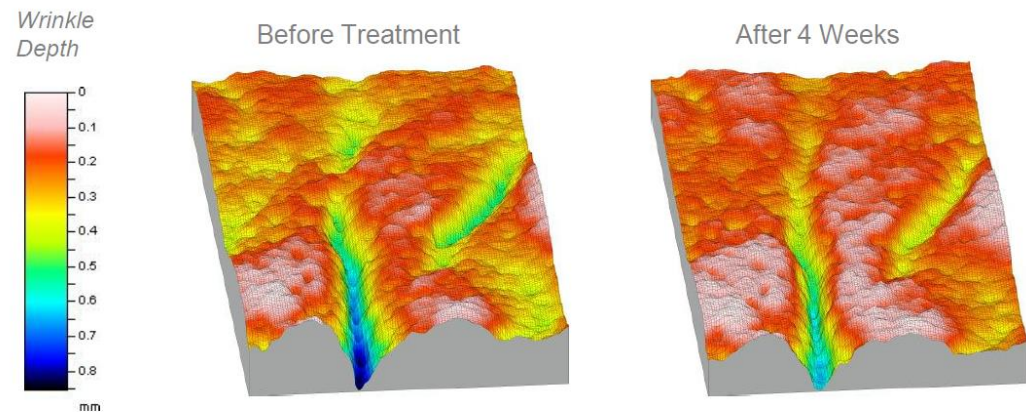
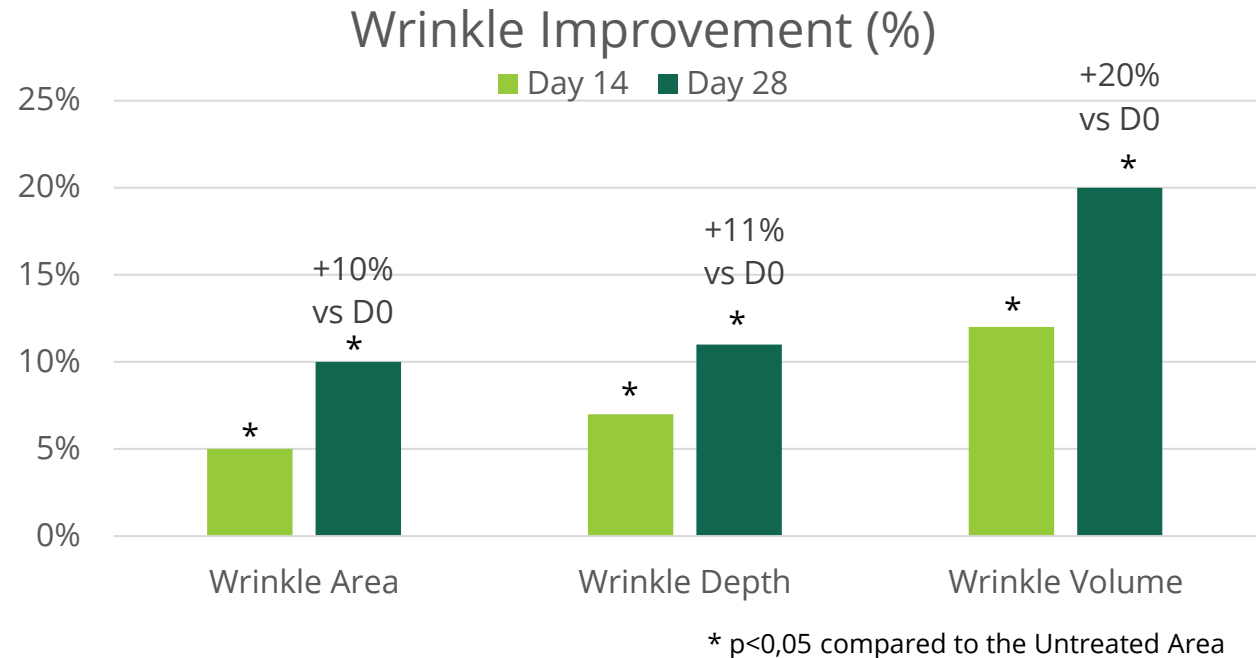
Effect on Wrinkle Appearance

LIPOVOL® ORIGIN CACAY was found to significantly decrease wrinkle area, wrinkle depth and wrinkle volume after 28 days of regular treatment



Method:

Subjects: 20 volunteers
Test Product: Pure Caryodendron Orinocense Seed Oil
Duration: 28 days
Application: Twice daily to Face (Crow's Feet)
Measurement: PRIMOS® 5.7 high-res



Source: Derma Consult clinical studies, Germany 2013

The background features a green gradient with numerous bubbles of varying sizes, creating a textured, scientific appearance. A white rectangular box is centered on the page, containing the main text.

In vitro data

Hair

LIPOVOL® ORIGIN CACAY

Hair Gloss Efficacy Study

Hair Serum with LIPOVOL ORIGIN CACAY outperformed Argan oil, **improving hair gloss by 45%** when compared to the Hair Serum Placebo



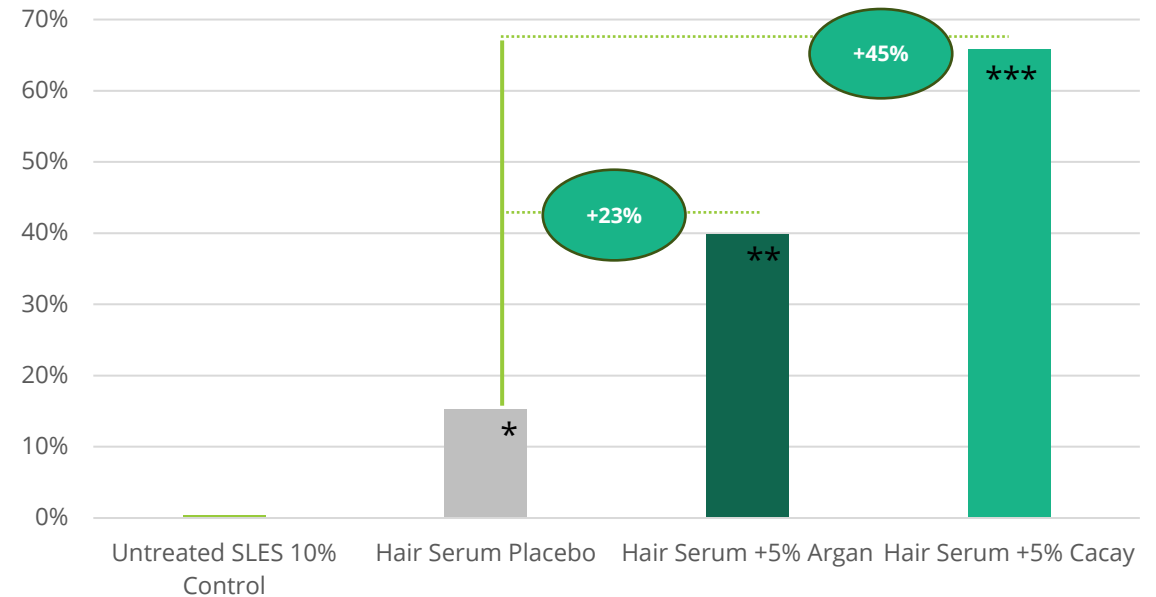
Assessing the efficacy of LIPOVOL ORIGIN CACAY to improve hair gloss in comparison to argan oil.



Method:

- The gloss assessments were performed for the untreated tresses (Initial measure).
- After products application, the tresses were dried for 24 hours in a standardized environment (22 ± 2 °C/ 55 ± 5 % R.H) new measures of gloss were obtained (Final measures).
- Measurements were done using a Glossmeter.

Hair Gloss % Improvement vs Baseline



* $p < 0,05$ compared to the Untreated Area

** $p < 0,05$ compared to the Untreated + Serum Placebo

*** $p < 0,05$ compared to Untreated + Serum Placebo + Hair Serum with Argan

LIPOVOL® ORIGIN CACAY

Thermal Protection Study

Hair Serum with LIPOVOL ORIGIN CACAY
increasing thermal protection by 28%, also
outperforming argan oil

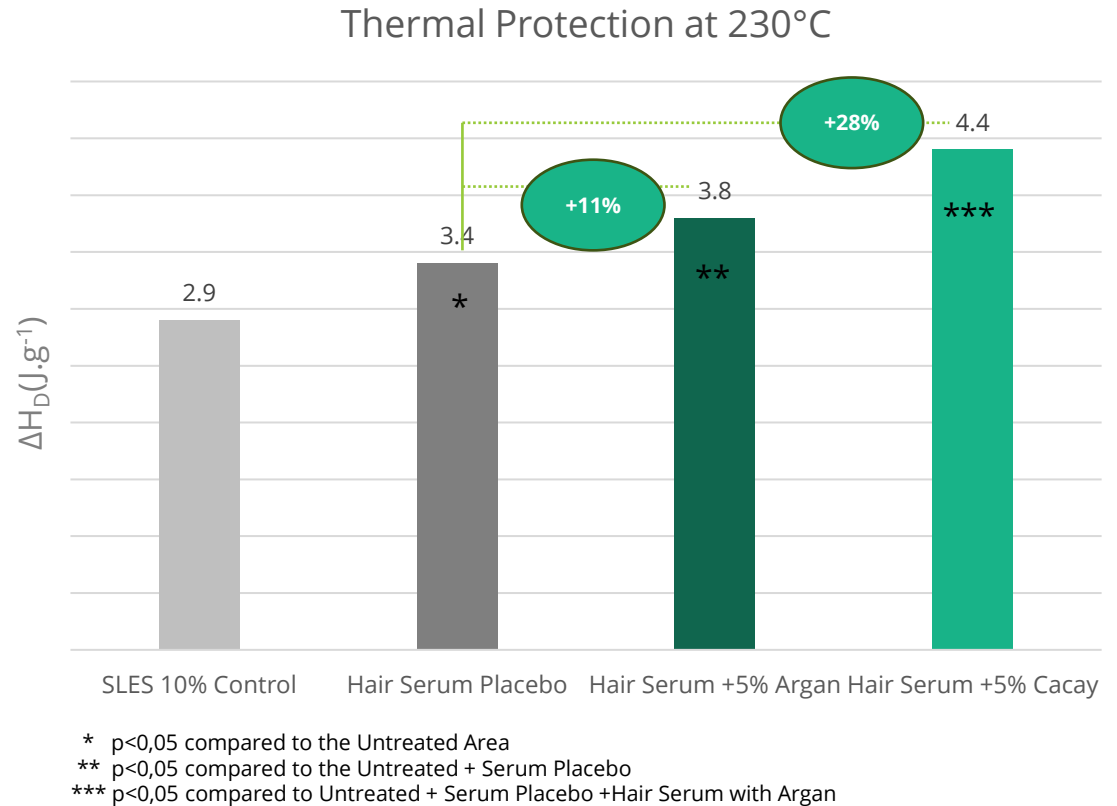


Assessing the efficacy of LIPOVOL ORIGIN CACAY to protect α -keratin structure of thermally damaged hair in comparison to Argan oil.



Method:

- After treatment, the tresses were submitted to two different thermal damage procedure (Dryer 80°C and + straightening iron 230°C).
- Hair fibers were randomly collected for DSC analysis using the equipment Hitachi High-Tech Sciences TA7000 Series Simultaneous Thermogravimetric Analyzer (30°C to 300°C).



LIPOVOL® ORIGIN CACAY Frizz Control Study

Hair Serum with LIPOVOL ORIGIN CACAY reduced frizz by 90% compared to shampoo without conditioning agent in a high humidity environment.

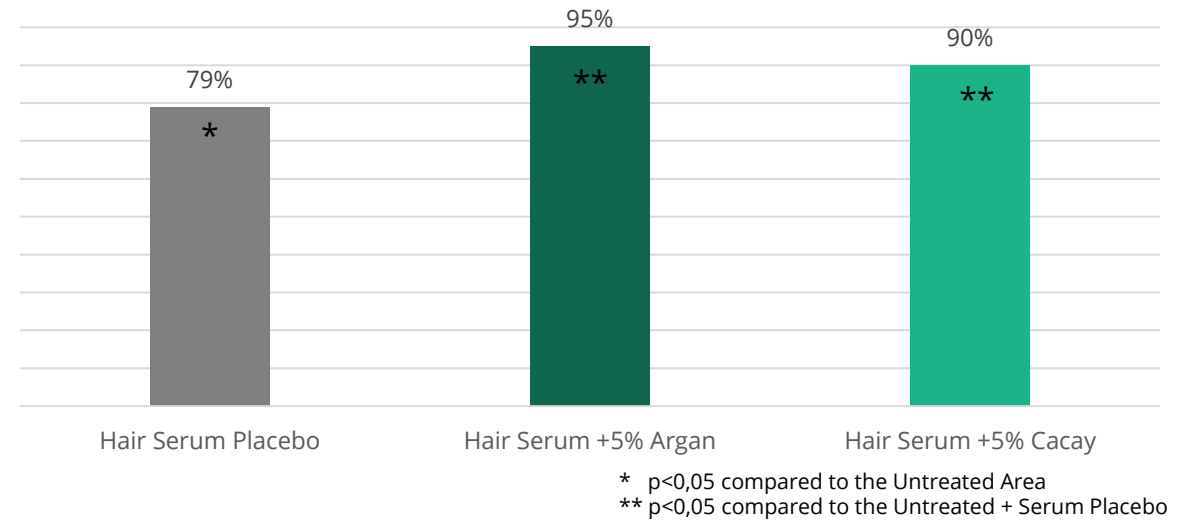


Assessing reduction in Frizz Effect of hair tresses treated with hair serum containing LIPOVOL ORIGIN CACAY in comparison to argan oil.



Method:
After application of the products, tresses were dried for 24 hours in a controlled environment at $55 \pm 5\%$ relative humidity and $22 \pm 2^\circ\text{C}$ (Initial condition). Then, tresses were kept in an environment at $85 \pm 5\%$ relative humidity and $22 \pm 2^\circ\text{C}$ for 24 hours (Final condition).

Reduction in Frizz (%) Final Condition (85% R.H.) vs. Untreated Control



*Reduction compared to the SLES control after 24hrs in controlled environment

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Split Ends Reduction

Hair Serum with LIPOVOL ORIGIN CACAY repaired and reduced split ends by 39% compared to Hair Serum Placebo



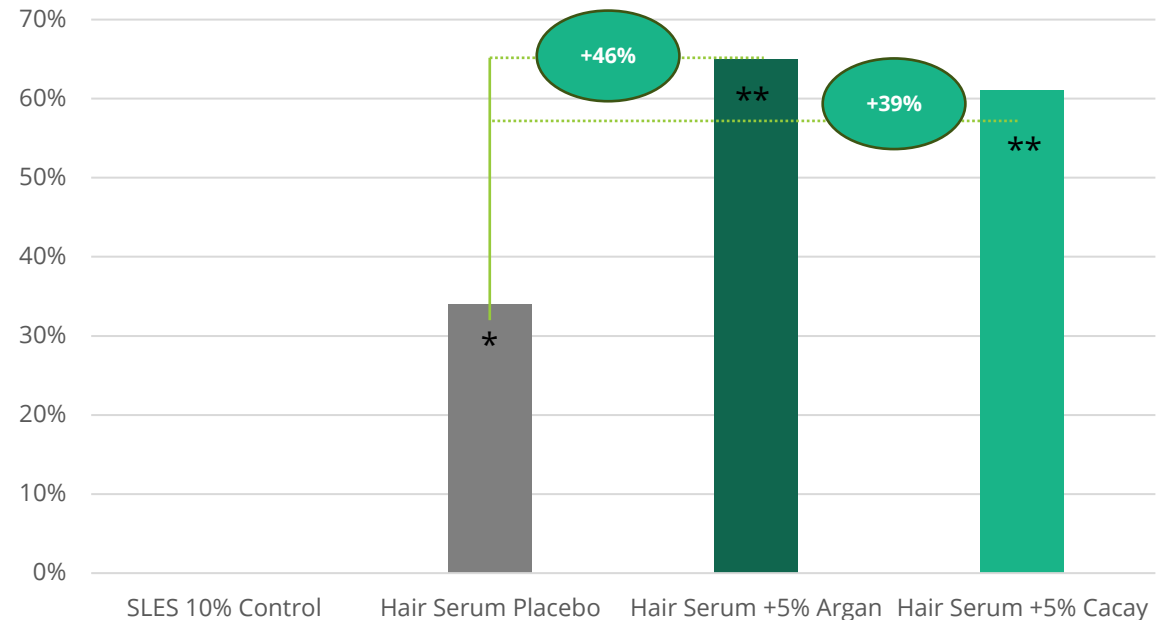
Assessing the potential of LIPOVOL ORIGIN CACAY to reduce split ends on hair tresses in comparison to argan oil.



Method:

- Eighteen tresses of natural Caucasian hair presenting at least 20 split-ends/100 hair fibers had the number of split ends obtained (Initial).
- After products application and drying in a controlled environment ($22 \pm 2^\circ\text{C}$ | $55 \pm 5\%$ R.H.) for 24 hours, a new counting was performed on 100 hair fibers/ tresses (Final).

% Reduction in Split Ends (%) vs Untreated Control



* $p < 0,05$ compared to the Untreated Area
** $p < 0,05$ compared to the Untreated + Serum Placebo

The background features a green gradient with numerous bubbles of varying sizes, creating a textured, scientific appearance. A white rectangular box is centered in the middle of the page, containing the title text.

Formulation Corner

Formulating with LIPOVOL® ORIGIN CACAY

- Should be incorporated in the oil phase and is compatible with many waxes, butters, esters, emollients, silicones.
- Oil phase can be heated as needed up to 90°C
- Suitable for all formats including anhydrous, water in oil, and oil in water emulsions.
- Recommended to formulate with antioxidant such as vitamin E for further preservation.
- Recommended use level: 3-10%



Amazonian Butter to Oil

VPC.09.25.619

A whipped butter cream that melts into oil and targets rough and dry skin. Made with LIPOVOL® ORIGIN CACAY and TUCUM-HA EFX® to hydrate and soften skin. Leaves the skin glow without grease with JEECHEM® NDA-HC, a natural alkane.



Phase	%	Ingredient	INCI	Function
1	57.70	Deionized Water	Aqua (Water)	Aqueous Vehicle
2	3.00	VYCERIN™ GL93	Glycerin	Humectant
2	0.80	Instathix®	Xanthan Gum (and) Sodium Stearoyl Lactylate (and) Tapioca Starch (and) Algin	Thickener
3	7.00	DISTINCTIVE® EMUL-LIPID LC	Cetyl Alcohol (and) Hydrogenated Lecithin (and) Palmitic Acid	Natural Emulsifier
4	10.00	JEECHEM® NDA-HC	C18-21 Alkane	Emollient
4	9.00	ISO JOJOBA™ - 50	Simmondsia Chinensis (Jojoba) Butter	Natural emollient
4	7.00	LIPOVOL™ G	Vitis Vinifera (Grape) Seed Oil	Natural emollient
4	0.50	TUCUM-HA EFX®	Astrocaryum Vulgare Fruit Oil (and) Jojoba Esters (and) Sodium Hyaluronate	Emollient
4	3.00	LIPOVOL® ORIGIN CACAY	Caryodendron Orinocense Seed Oil	Natural Emollient
4	0.50	Vitamin E	Tocopheryl Acetate	Antioxidant
5	1.00	JEECIDE® CAP-2	Phenoxyethanol (and) Caprylyl Glycol (and) Hexylene Glycol	Preservative
5	0.35	SZUS062667 Calming Vanilla Fragrance	Fragrance	Fragrance
5	0.15	SZUS058636 COCONUT MILK & CHAMOMILE	Fragrance	Fragrance

Wrinkle Reducing Eye Cream

VPC.09.25.564

A cushion cream containing **BIOSIGNAL® LIPID 10** and **LIPOVOL® ORIGIN CACAY** that moisturizes and helps to smooth lines and wrinkles providing a soft radiant finish.



Phase	%	Ingredient	INCI	Function
1	56.38	Deionized Water	Aqua (Water)	Aqueous Vehicle
1	1.00	BIOSIGNAL® LIPID 10	Glycerin (and) Phospholipids	Active ingredient
2	5.00	VYCERIN™ GL93	Glycerin	Humectant
2	0.10	Kelcogel® CG-HA	Gellan Gum	Rheology modifier
3	5.00	DISTINCTIVE™ EMUL-LIPID LC	Cetyl Alcohol (and) Hydrogenated Lecithin (and) Palmitic Acid	Natural Emulsifier
4	5.00	LIPONATE™ CCC	Coco-caprylate/Caprata	Natural Emollient
4	8.00	TEXTRON ORIGIN ARGAN OIL ORGANIC	Argania Spinosa Kernel Oil	Natural emollient
4	3.00	LIPOVOL® ORIGIN CACAY	Caryodendron Orinocense Seed Oil	Natural Emollient
4	1.00	JEECHEM® NDA-HC	C18-21 Alkane	Emollient
4	5.00	LIPONATE™ JOJOBA 20	Jojoba Esters	Emollient
4	2.50	LIPOCOL™ SC PASTILLES	Cetearyl Alcohol	Structuring agent
4	2.00	LIPOBUTTER™ ORGANIC SHEA - DWJ	Butyrospermum Parkii (Shea) Butter	Natural emollient
5	1.00	SUNSIL-OLEO130	Silica (and) CetylAlcohol	Sensory modifier
6	0.90	JEECIDE® PHENOXY	Phenoxyethanol	Preservative
6	0.10	Sensiva® SC 50	Ethylhexylglycerin	Preservative
7	1.00	Timiron® Halo White	Synthetic Fluorphlogopite (and) Titanium Dioxide (and) Tin Oxide	Pearlescent pigment
7	3.00	HYLASOME™ EG10	Sodium Hyaluronate Crosspolymer	Moisturizing active ingredient
8	0.02	Sodium Hydroxide (20% Solution)	Water (and) Sodium Hydroxide	pH adjuster

Nourishing Milk-Shake Hair Primer

VPC. 01.24.620

A bi-phase, silicone-free leave-in spray for wavy or texturized hair. It has a light texture and provides smoothness, enhances natural shine, and keeps frizz under control thanks to Coconut Avocado Hair Milk and LIPOVOL® ORIGIN CACAY.



Shake before use

Phase	%	Ingredient	INCI	Function
1	28.90	Deionized Water	Aqua (Water)	Aqueous Vehicle
1	0.10	SEPIMAX™ ZEN	Polyacrylate Crosspolymer-6	Rheology modifier
2	3.00	Glycerin	Glycerin	Humectant
2	5.00	COCONUT-AVOCADO HAIR MILK	Water (and) Sodium Stearoyl Lactylate (and) Propanediol (and) Polyglyceryl-10 Oleate (and) Polyglyceryl-10 Dioleate (and) Phospholipids (and) Persea Gratissima (Avocado) oil (and) Glyceryl Undecylenate (and) Glyceryl stearate (and) Glyceryl Caprylate (and) Glycerin (and) Cocos Nucifera (Coconut) Water (and) Cocos Nucifera (Coconut) Oil (and) Cocos Nucifera (Coconut) Fruit Juice (and) Cetearyl alcohol	Vegetable milk/Hair conditioning agent
2	0.50	JOJOBA PRO™ -N	Hydrolyzed Jojoba Protein	Active
2	1.00	SC-HELP™ DEFENSE	Water (and) Propanediol (and) Citrus Aurantium Dulcis (Orange) Fruit Extract (and) Opuntia Ficus-Indica Fruit Extract (and) Lycium Chinense Fruit Extract (and) Olea Europaea (Olive) Fruit Extract	Antioxidant Active
2	1.00	BP-TRILURONIC® ACID SOLUTION	Water (and) Sodium Hyaluronate	Moisturizing active ingredient
2	0.50	Kopcerin PE 1090	Ethylhexylglycerin (and) Phenoxyethanol	Preservative
3	20.60	JEECHEM® NDA-5	C15-19 Alkane	Emollient
3	1.00	LIPOVOL® ORIGIN CACAY	Caryodendron Orinocense Seed Oil	Natural Emollient
3	26.00	JEECHEM® NDA—LC	C9-12 Alkane	Natural Emollient
3	12.00	DW JOJOBA COLORLESS	Simmondsia Chinensis (Jojoba) Seed Oil	Natural emollient
3	0.20	Vitamin E Acetate	Tocopheryl Acetate	Antioxidant
4	0.20	Fragrance	Parfum (Fragrance)	Fragrance



LIPOVOL[®] ORIGIN CACAY

Amazonian Gold To Enrich The Skin And Hair

