

ARGAN OIL

*Nourishment and Shine from
the Tree of Life*

04-2022



COSMOS
CERTIFIED



Agenda

1. **Insights into Current Consumer Trends**
2. DSM ARGAN OIL
3. Nourishing Elixir for Skin Care
4. Natural Shine Enhancer for Hair Care



Trend: Artfully Crafted Nature

Moods

Eco-avantgarde -
authentic & casual –
positive & open
attitude



Natural materials and
shapes,
warm and soft

Trend: Artfully Crafted Nature

Consumer's Lifestyle

- Inspiration: Root
- Style: young, “avantgardistic”, and casual
- fascinated by nature and old handcraft techniques as basis for new solutions
- „Idealistic hedonism“: they want to make the world better and have fun at the same time
- **Need:** sustainable products that make them feel good
- **Community focus:** belonging to a special group



Trend: Artfully Crafted Nature

Consumer Insights for Beauty

Overall:

- Always looking for new products, new stories
- Beauty: nothing mainstream, rather eclectic and avantgardistic

Products:

- Haptic quality (pack & product)
- Beauty rituals (traditional/historical, ethnic etc.)

Benefits:

- Unknown combination of different benefits
- Appealing to higher level on need hierarchy

Manifestations:

- Inspirations from food, health (pharmacy) etc.
- **Organic, sustainable plus** (...“made with organic and wild crafted ingredients, peace, love, and harmony.”)



Artfully Crafted Nature

In a Nutshell

- Strong trend for exotic high valuable products with new applications
- Increasing demand for organic and sustainable solutions
- Search for products with traditional beauty rituals
- Growing fair trade expectations



**DSM organic
certified ARGAN OIL
completely fulfill
these needs**

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A close-up photograph of a woman's face and shoulder. Her hand is gently touching her shoulder, suggesting the application of a product. The background features a soft, out-of-focus green circular pattern with a bright light source, creating a serene and natural atmosphere.

ARGAN OIL

*Nourishment and shine from the
tree of life*

ARGAN TREE

The Moroccan Tree of Life

ARGANIA SPINOSA – its multifunctional attributes

- Endemic tree from south-west Morocco
- Last rampart against advancing desert, thanks to its deep root system
- Leaves used as feed for goats and camels
- Most important, **ARGAN OIL**, traditionally extracted by hand from Moroccan women, is used for many applications



ARGAN OIL – an elixir for body and soul

- Traditional beauty elixir for Moroccan woman
- Topical applications for skin, hair and nail care
- Dietary use today and in traditional medicine for its health properties

DSM ARGAN OIL

A Highly Valuable Oil

Specific origin

- Kernels of the endemic tree *Argania spinosa* growing in the South West of Morocco

Special processing

- Virgin oil by exclusive first and cold processing
- Specifically deodorized resulting in a clear and nearly colorless product

Exceptional composition

- Very rich in unsaturated fatty acids such as oleic acid and linoleic acid
- High antioxidant power with natural tocopherols and phenols
- Natural squalene provides a pleasant non oily skin feeling



DSM ARGAN OIL

100% Organic Certified

- *100% pure and organic certified*
from both COSMOS and NATRUE
- *Strong focus on sustainability and quality*
DSM named No1 in the Dow Jones World Sustainability Index in 2004, 2005, 2006, 2009, 2010 and 2011
- Acting responsible by following *fair trade principles*
Each time you buy ARGAN OIL from DSM Nutritional Products you contribute to sustainability projects in Morocco



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4. Natural Shine Enhancer for Hair Care



The Organic Nourishing Elixir

.....supported by outstanding composition

A nourishing care is essential for smooth and healthy-looking radiant skin.

Thanks to its high concentration in unsaturated fatty acids and squalene, DSM ARGAN OIL helps to replenish and restore skin's barrier. It leaves a non-greasy, smooth and moisturized skin.

The age-defying phenolic acids and tocopherols additionally provide significant protection against ageing processes. Skin complexion is improved.



... with an Outstanding Composition

For exceptional skin care properties

Unsaturated fatty acids

Linoleic acid (omega 6)

**Phenolic acids
& Tocopherols**

Squalene

help to prevent and reduce skin inflammation

helps to maintain skin permeability barrier

protect the skin against free radicals

provides a non oily pleasant skin feeling,
softens and protects the skin



An Easy to Formulate Elixir...

Formulation Guidelines

- Can be processed either warm (< 60°C) or cold
 - Not water soluble, is incorporated into the oily phase or in an emulsion
 - Stable at a broad pH range up to pH 12
 - No preservative, no added antioxidant
 - Recommended use for facial care: 1–3%; can even be used as pure material.
 - Heat stability:
short term test at 50°C for 2 weeks;
4 O/W emulsions, containing a stable synthetic oil, Argan oil, and Avocado oil and sweet Almond oil.
- **ARGAN OIL showed a higher heat stability than avocado oil and almond oil**

... for a Wide Field of Cosmetic Applications

- Nourishing elixir for skin applications
- Additionally, protecting and regenerating properties for facial and body care dedicated to sensitive skin
- Provides formulation support to help prevent stretch marks
- Pleasant skin feeling in make up

Agenda

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4. **Natural Shine Enhancer for Hair Care**



ARGAN OIL

Panelist Study on Shine Enhancement

Study Design

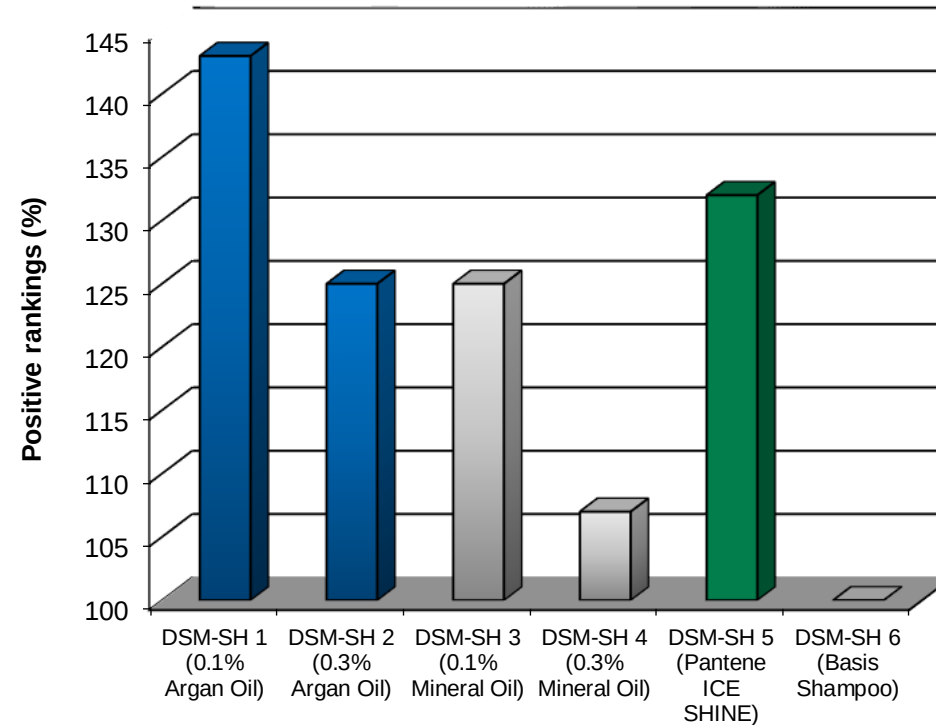
- Trained panelists (2x10; performed by Fresenius)
- 2 different rinse-off formulations, a shampoo and a conditioner
- Pantene PRO-V ICE SHINE shampoo and conditioner as market benchmark
- Test formulations using the same ingredient composition as the benchmark
- Ingredient concentrations: 0.1%, 0.3% in shampoo and 0.5%, 1.0% in conditioner of both ARGAN OIL and standard mineral oil
- Caucasian hair switches color number 4/0 (middle brown)
- Paired comparison test in 2 blocks - for shampoo and conditioner
- Visual assessment on shine for “glossier”, “no difference” and “comparison glossier”



ARGAN OIL

Results Shampoo Test

Ranking of paired comparison test in shampoo



Shampoo formulation containing 0.1% ARGAN OIL shows best shine enhancement beating the leading market brand!

ARGAN OIL

Results Shampoo Test

Ranking of paired comparison test in conditioner

	DSM-SH 1	DSM-SH 2	DSM-SH 3	DSM-SH 4	DSM-SH 5	DSM-SH 6	SUM	Rank
DSM-SH 1 (0.1% Argan Oil)		9	7	7	9	8	40	1
DSM-SH 2 (0.3% Argan Oil)	9		7	4	6	9	35	3
DSM-SH 3 (0.1% Mineral Oil)	7	7		7	8	6	35	3
DSM-SH 4 (0.3% Mineral Oil)	7	4	7		8	4	30	5
DSM-SH 5 (Pantene ICE SHINE)	9	6	8	8		6	37	2
DSM-SH 6 (Basic Shampoo)	8	9	6	4	1		28	6

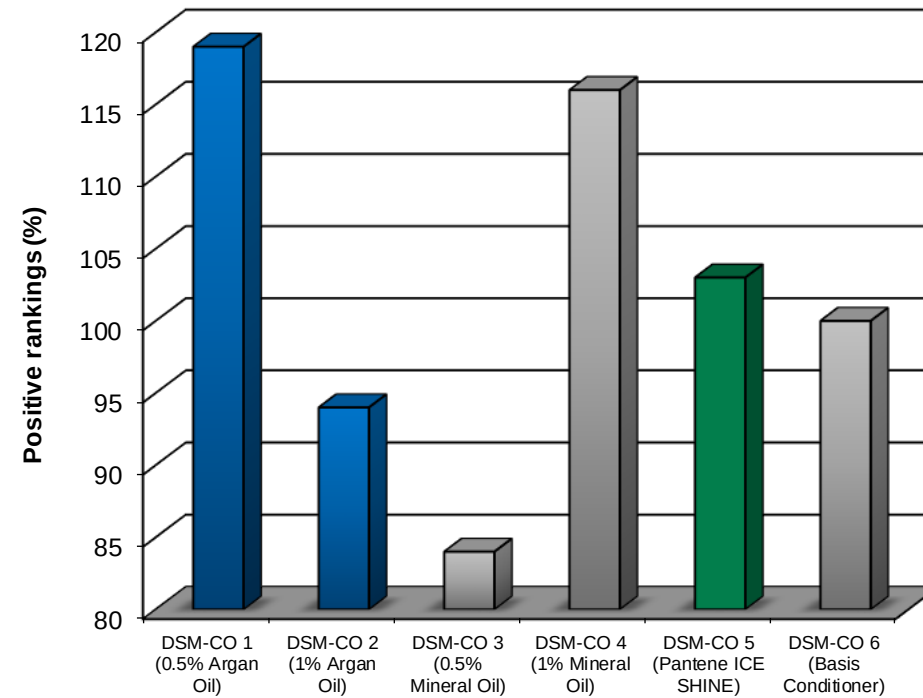
Table 1: Results of the shampoo shine test:

Matrix evaluates all positive entries for the individual comparison. For the ranking analysis sums of total positive entries for one test formulation are compared. The ranking with 1 is the best and with 6 is the worst, meaning the formulation with a ranking of 1 is the most shiniest one as tested.

ARGAN OIL

Results Conditioner Test

Ranking of paired comparison test in conditioner



Conditioner formulation containing 0.5% ARGAN OIL shows best shine enhancement beating the leading market brand!

ARGAN OIL

Results Conditioner Test

Ranking of paired comparison test in conditioner

	DSM-CO 1	DSM-CO 2	DSM-CO 3	DSM-CO 4	DSM-CO 5	DSM-CO 6	SUM	Rank
DSM-CO 1 (0.5% Argan Oil)		5	9	8	6	9	37	1
DSM-CO 2 (1% Argan Oil)	5		5	8	7	4	29	5
DSM-CO 3 (0.5% Mineral Oil)	9	4		3	5	5	26	6
DSM-CO 4 (1% Mineral Oil)	8	8	6		7	5	36	2
DSM-CO 5 (Pantene ICE SHINE)	6	7	5	7		7	32	3
DSM-CO 6 (Basic Conditioner)	9	4	5	5	8		31	4

Table 1: Results of the conditioner shine test:

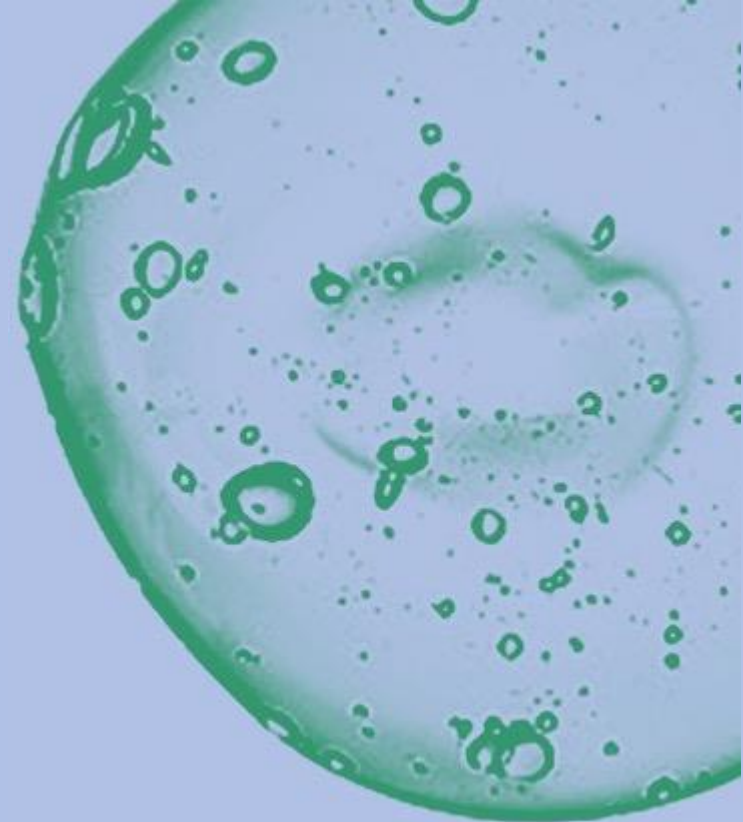
Matrix evaluates all positive entries for the individual comparison. For the ranking analysis sums of total positive entries for one test formulation are compared. The ranking with 1 is the best and with 6 is the worst, meaning the formulation with a ranking of 1 is the most shiniest one as tested.

ARGAN OIL

Formulation Guidelines

- No preservative and free of specified pathogens
- Easy to formulate
- Incorporated into the oil phase of conditioners
- Pre-solubilization for shampoos
- Processed either warm (< 60°C) or cold
- Stable at a broad pH range up to pH 12
- Recommended use level for shampoos is 0.1% and for conditioners 0.5%
- No influence on foaming properties

Basic guide formulations are available upon request

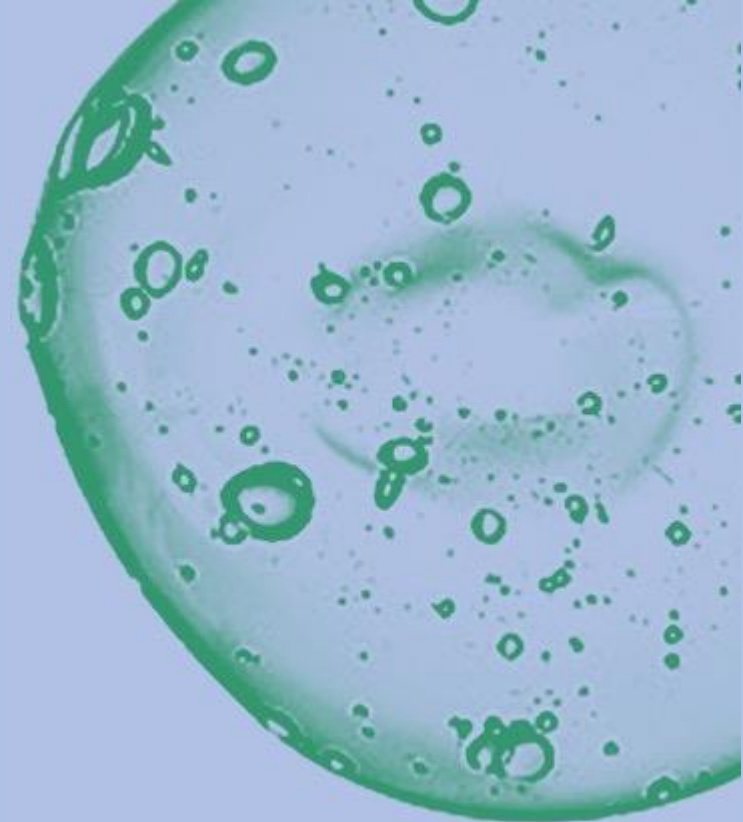


ARGAN OIL

Natural Shine Enhancer

Key Benefits

- Superior shine enhancer compared to leading market brand
- Cost-effective for shine boosting
- Provides stable foam properties and allows clear products
- Superior purity
- 100% natural and preservative free
- Natural light oil – no greasy hair



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Back up ARGAN OIL

Nourishment and shine from the tree of life

Short term heat stability test

Guide formulation

Phase	INCI Name	% w/w	
		Placebo	Verum
A	Glyceryl Myristae	4	4
	Cetyl Alcohol	2	2
	Steareth-2	2	2
	Steareth-21	2	2
	Dimethicone	2	2
	C12-15 Alkyl Benzoate	5	5
	Caprylic/Capric Triglyceride	8	5
	vegetable oil *		3
B	Tridodium EDTA	0.1	0.1
	Propylene Glycol	4	4
	Aqua	ad 100	ad 100
	Phenoxyethanol & Ethylhexylglycerin	0.8	0.8
C	Polyacrylamide & C13-14 Isoparaffin & Laureth-7	1	1

* Argan Oil, Avocado Oil, sweet Almond Oil

Additional information on ARGAN OIL's compounds

Essential Fatty Acids cannot be synthesized by the human body and therefore must be obtained through diet or skin treatments such as ARGAN OIL. They are building compounds to manufacture and repair cell membranes, enabling the cells to obtain optimum nutrition. These fatty acids perform an important role in the lipid management of the epidermis, sebum production, and are required for the formation of prostaglandin. They all have water-binding, moisturizing and antioxidant properties.

Prostaglandin is a lipid compound derived enzymatically from essential fatty acids within the cell. It serves as catalysts for a large number of processes. It helps to regulate skins functions such as the immune function. Prostaglandin is a natural anti-inflammatory and acts as a controlling factor in overall cell growth and development.

Polyphenols are natural components of a wide variety of plants. These active compounds are known for their antiseptic, antioxidant, anti-inflammatory, anti-allergenic, and anti-aging properties. They enhance immune response, enhance cell-to-cell communication, repair DNA damage caused by smoking and other toxic exposures, and assist the body to detoxify carcinogens through the activation of the body's immune system.

Additional information on ARGAN OIL's compounds

Squalene is a fat-soluble antioxidant with the unique ability to anchor itself to the body's cell membrane. It can deactivate free radicals that are generated by exposure to the UV radiation. Squalene is involved in the process of cell growth. It is able to penetrate deeper and more readily than most other oils. Its compatibility with skin lipids can be attributed to the fact that human sebum, the skin's own moisturizer, is comprised of 25% squalene. It is proven to have a positive effect on mature and rosacea skin.

Vitamin E (Tocopherol) is a fat-soluble vitamin. It is a powerful antioxidant and excellent free-radical scavenger. Vitamin E protects essential fatty acids and vitamin A levels in the body. Vitamin E prevents cellular aging due to oxidation, aids in bringing nourishment to cells, and decreases inflammation. It has been shown to significantly help in the reduction of scarring from wounds and the appearance of stretch marks.

ARGAN OIL

Specification

INCI

External Characteristics

Appearance:

Quality:

Shelf life:

Argania Spinosa Kernel Oil

clear, yellow colored, slightly viscous liquid

virgin cold pressed, deodorized

24 months

Composition

Palmitic acid:

10.0 – 15.0 w/w %

Stearic acid:

4.3 – 7.2 w/w %

Oleic acid:

43.0 – 50.0 w/w %

Linoleic acid:

29.3 – 37.0 w/w %

Preservative:

free

Chemical-physical properties

Acid value:

< 4

Peroxide value:

< 10

Relative density d_{20/20}:

0.90 – 0.93



Recent launches with Argan Oil

Nov 2010

Argan Oil System by Inoar contain the exclusive Kem3 Complex with Argan Oil and Acid Glyoxylic, which replaces the formaldehyde.

Kem3 Complex is an exclusive and patented formula Inoar, which allows the sealing of the cuticle through the attraction between the positive charge deposited on the hair cortex (located in the center of the hair strand) and negative charge of the cuticle, which lie at the outer hair strand, then setting composed of acid ph (1,5) in the cuticle, allowing the durability of the smooth and incredible shine effect for up to 60 days.



Recent launches with Argan Oil

April 2010/Febr 2011

Revlon: Orofluido Beauty Elixir For Your Hair

A beauty elixir for all hair types, with a pure luxuriance which envelops your hair. **Three organic natural oils** in an exquisite mixture with a pleasant, silky texture, absorbed rapidly and leaving no residue in the hair. Non-rinse treatment for all hair types.

Fluid, silky and pleasant to the senses, reminiscent and evocative of the treasured gold.

Argan oil: liquid gold for your hair

Extracted from the seeds of the Argania spinosa fruit, Argan oil is rich in vitamin E and essential fatty oils, similar in composition to our own skin. It strengthens hair and makes it extremely light and incredibly silky.



Recent launches with Argan Oil

Nov 2010



France:

Nivea Pure & Natural Anti-Rides Soin de Nuit (Anti-Ageing Night Cream) is said to visibly reduce wrinkles, as it features organic argan oil, which is rich in vitamin E and antioxidants to nourish the skin, and organic burdock extracts to stimulate collagen production during nighttime. According to the manufacturers, wrinkles are pulped from inside, and skin brightness restored

Feb 2011



USA:

Goldwell Color Glow [IQ] Deep Reflects Regenerative Hairmasque for color treated hair is claimed to provide up to 100% regeneration, with its exclusive blend of extra-nourishing ingredients such as argan oil and lipids. It is claimed to leave hair perfectly regenerated with vibrant color depth, and features the MultiGloss System

ARGAN OIL

Conditioner Formulations

Test formulation DSM-SH 1 with 0.1% Argan Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	45.70	0
	UCARE Polymer JR-400	Polyquaternium-10	0.30	100023
B	Texapon NSO - BZ	Sodium Laureth Sulfate	44.00	100396
C	ARGAN OIL	Argania Spinosa Kernel Oil	0.10	100288
	Antil 171	PEG-18 Glyceryl Oleate/Cocoate	2.00	100415
D	Promidium CO	PPG-2 Hydroxyethyl Cocamide	3.50	100347
	Stepanate SXS E	Sodium Xylenesulfonate	1.20	100463
E	Tri-Natriumcitrat-Dihydrat	Sodium Citrate	0.25	100230
	Citric Acid, Anhydrous	Citric Acid	0.01	100134
	D-Panthenol 75 L	Panthenol	0.34	100288
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	PÖ COLOR EXPRESS 351580	Parfum	0.50	100106
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	Sodium Benzoate	Sodium Benzoate	0.25	100288
F	Natriumchlorid	Sodium Chloride	1.50	100306

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ARGAN OIL

Conditioner Formulations

Test formulation DSM-SH 2 with 0.3% Argan Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	45.50	0
	UCARE Polymer JR-400	Polyquaternium-10	0.30	100023
B	Texapon NSO - BZ	Sodium Laureth Sulfate	44.00	100396
C	ARGAN OIL	Argania Spinosa Kernel Oil	0.30	100288
	Antil 171	PEG-18 Glyceryl Oleate/Cocoate	2.00	100415
D	Promidium CO	PPG-2 Hydroxyethyl Cocamide	3.50	100347
	Stepanate SXS E	Sodium Xylenesulfonate	1.20	100463
E	Tri-Natriumcitrat-Dihydrat	Sodium Citrate	0.25	100230
	Citric Acid, Anhydrous	Citric Acid	0.01	100134
	D-Panthenol 75 L	Panthenol	0.34	100288
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	PÖ COLOR EXPRESS 351580	Parfum	0.50	100106
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	Sodium Benzoate	Sodium Benzoate	0.25	100288
F	Natriumchlorid	Sodium Chloride	1.50	100306

ARGAN OIL

Conditioner Formulations

Test formulation DSM-SH 3 with 0.1% Mineral Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	45.70	0
	UCARE Polymer JR-400	Polyquaternium-10	0.30	100023
B	Texapon NSO - BZ	Sodium Laureth Sulfate	44.00	100396
C	Paraffinum Perliquidum Ph.	Mineral Oil	0.10	100288
	Antil 171	PEG-18 Glyceryl Oleate/Cocoate	2.00	100415
D	Promidium CO	PPG-2 Hydroxyethyl Cocamide	3.50	100347
	Stepanate SXS E	Sodium Xylenesulfonate	1.20	100463
E	Tri-Natriumcitrat-Dihydrat	Sodium Citrate	0.25	100230
	Citric Acid, Anhydrous	Citric Acid	0.01	100134
	D-Panthenol 75 L	Panthenol	0.34	100288
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	PÖ COLOR EXPRESS 351580	Parfum	0.50	100106
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	Sodium Benzoate	Sodium Benzoate	0.25	100288
F	Natriumchlorid	Sodium Chloride	1.50	100306

ARGAN OIL

Conditioner Formulations

Test formulation DSM-SH 4 with 0.3% Mineral Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	45.70	0
	UCARE Polymer JR-400	Polyquaternium-10	0.30	100023
B	Texapon NSO - BZ	Sodium Laureth Sulfate	44.00	100396
C	Paraffinum Perliquidum Ph.	Mineral Oil	0.30	100288
	Antil 171	PEG-18 Glyceryl Oleate/Cocoate	2.00	100415
D	Promidium CO	PPG-2 Hydroxyethyl Cocamide	3.50	100347
	Stepanate SXS E	Sodium Xylenesulfonate	1.20	100463
E	Tri-Natriumcitrat-Dihydrat	Sodium Citrate	0.25	100230
	Citric Acid, Anhydrous	Citric Acid	0.01	100134
	D-Panthenol 75 L	Panthenol	0.34	100288
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	PÖ COLOR EXPRESS 351580	Parfum	0.50	100106
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	Sodium Benzoate	Sodium Benzoate	0.25	100288
F	Natriumchlorid	Sodium Chloride	1.50	100306

ARGAN OIL

Conditioner Formulations

Test formulation DSM-SH 5

Pantene PRO-V ICE SHINE Shampoo

Ingredients

Water, Sodium Laureth Sulfate, Sodium Lauryl Sulfate, PPG-2 Hydroxyethyl Coco/Isostearamide, Sodium Chloride, Citric Acid, Sodium Citrate, Fragrance, Panthenol, Panthenyl Ethyl Ether, Polyquaternium-10, Sodium Benzoate, Tetrasodium EDTA, Methylchloroisothiazolinone, Methylisothiazolinone, Sodium Xylenesulfonate

ARGAN OIL

Conditioner Formulations

Test formulation DSM-SH 6 – basic shampoo

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	45.80	0
	UCARE Polymer JR-400	Polyquaternium-10	0.30	100023
B	Texapon NSO - BZ	Sodium Laureth Sulfate	44.00	100396
C	Antil 171	PEG-18 Glyceryl Oleate/Cocoate	2.00	100415
D	Promidium CO	PPG-2 Hydroxyethyl Cocamide	3.50	100347
	Stepanate SXS E	Sodium Xylenesulfonate	1.20	100463
E	Tri-Natriumcitrat-Dihydrat	Sodium Citrate	0.25	100230
	Citric Acid, Anhydrous	Citric Acid	0.01	100134
	D-Panthenol 75 L	Panthenol	0.34	100288
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	PÖ COLOR EXPRESS 351580	Parfum	0.50	100106
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	Sodium Benzoate	Sodium Benzoate	0.25	100288
F	Natriumchlorid	Sodium Chloride	1.50	100306

ARGAN OIL

Conditioner Formulations

Test formulation DSM-CO 1 with 0.5% Argan Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	90.21	0
	Lexamine S-13	Stearamidopropyl Dimethylamine	2.20	100552
	Lanette 18	Stearyl Alcohol	2.80	100396
	Lanette 16	Cetyl Alcohol	2.40	100396
	L(+)-Lactic Acid solution	Lactic Acid	0.60	100134
B	ARGAN OIL	Argania Spinosa Kernel Oil	0.50	100288
C	PÖ COLOR EXPRESS 351580	Parfum	0.60	100106
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	D-Panthenol 75 L	Panthenol	0.34	100288

ARGAN OIL

Conditioner Formulations

Test formulation DSM-CO 2 with 1.0 % Argan Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	90.21	0
	Lexamine S-13	Stearamidopropyl Dimethylamine	2.20	100552
	Lanette 18	Stearyl Alcohol	2.80	100396
	Lanette 16	Cetyl Alcohol	2.40	100396
	L(+)-Lactic Acid solution	Lactic Acid	0.60	100134
B	ARGAN OIL	Argania Spinosa Kernel Oil	0.50	100288
C	PÖ COLOR EXPRESS 351580	Parfum	0.60	100106
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	D-Panthenol 75 L	Panthenol	0.34	100288

ARGAN OIL

Conditioner Formulations

Test formulation DSM-CO 3 with 0.5 % Mineral Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	90.21	0
	Lexamine S-13	Stearamidopropyl Dimethylamine	2.20	100552
	Lanette 18	Stearyl Alcohol	2.80	100396
	Lanette 16	Cetyl Alcohol	2.40	100396
	L(+)-Lactic Acid solution	Lactic Acid	0.60	100134
B	Paraffin Liquidium Ph.	Mineral Oil	0.50	100288
C	PÖ COLOR EXPRESS 351580	Parfum	0.60	100106
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	D-Panthenol 75 L	Panthenol	0.34	100288

ARGAN OIL

Conditioner Formulations

Test formulation DSM-CO 4 with 1.0 % Mineral Oil

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	89.71	0
	Lexamine S-13	Stearamidopropyl Dimethylamine	2.20	100552
	Lanette 18	Stearyl Alcohol	2.80	100396
	Lanette 16	Cetyl Alcohol	2.40	100396
	L(+)-Lactic Acid solution	Lactic Acid	0.60	100134
B	Paraffin Liquidium Ph.	Mineral Oil	1.00	100288
C	PÖ COLOR EXPRESS 351580	Parfum	0.60	100106
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	D-Panthenol 75 L	Panthenol	0.34	100288

ARGAN OIL

Conditioner Formulations

Test formulation DSM-CO 5

Pantene PRO-V ICE SHINE Conditioner

Ingredients

Water, Stearyl Alcohol, Cyclopentasiloxane, Cetyl Alcohol, Stearamidopropyl Dimethylamine, Glutamic Acid, Panthenol, Panthenyl Ethyl Ether, Dimethicone, Benzyl Alcohol, Fragrance, EDTA, Methylchloroisothiazolinone, Methylisothiazolinone

ARGAN OIL

Conditioner Formulations

Test formulation DSM-CO 6–basic conditioner

Phase	Ingredients	INCI Name	% w / w	Supplier
A	Water dem.	Aqua	90.71	0
	Lexamine S-13	Stearamidopropyl Dimethylamine	2.20	100552
	Lanette 18	Stearyl Alcohol	2.80	100396
	Lanette 16	Cetyl Alcohol	2.40	100396
	L(+)-Lactic Acid solution	Lactic Acid	0.60	100134
B	PÖ COLOR EXPRESS 351580	Parfum	0.60	100106
	Ethyl Panthenol	Panthenyl Ethyl Ether	0.25	100288
	Neolone 950 Preservative	Methylisothiazolinone	0.10	100289
	D-Panthenol 75 L	Panthenol	0.34	100288

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