



Formulations 2022

Formulating with kalichem specialties

Formulations:

1.HYGIENE

- Hand Gel Cream with kalhygienic skin
 - Wetness Controll Deodorant
-

2.FACE CARE

- Micellar Olive Water
 - Anti Wrinkle Serum Eye Contour
 - SPF 30 Sunscreen Milk
-

3.HAIR CARE

- ReGenHair Q Detangling Balm
 - Shaft Volume Blast
-

Hand Gel Cream

with Kalhygienic skin

Method:

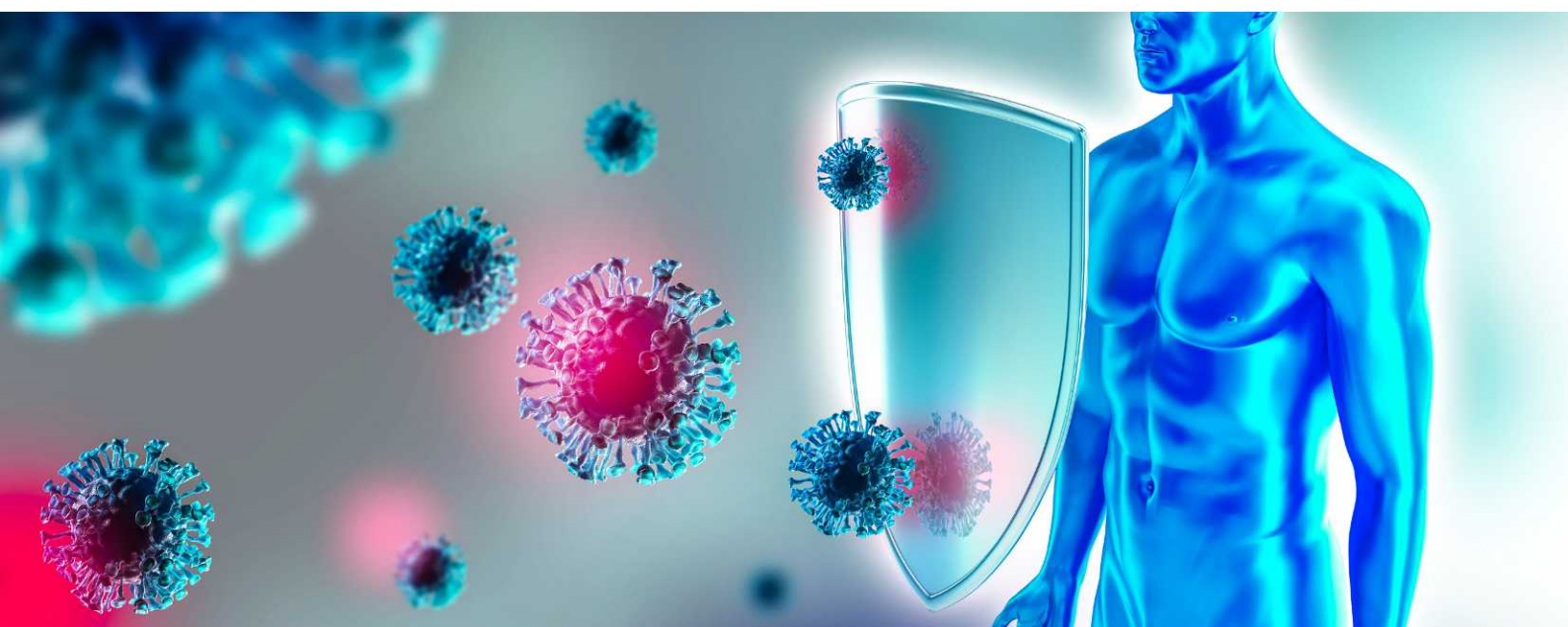
Mix the ingredients of phase A until obtaining a homogeneous oil. Resuspend Acrylates/C10-30 Alkyl Acrylate Crosspolymer in water and neutralize with Triethanolamine to obtain a transparent gel (phase B). Add C to phase B, stir and then homogenize by mixing. Add phase A, stir and homogenize by mixing until obtaining a white smooth emulsion. Add D and E and homogenize Final pH = 7.

Description:

Kalhygienic Skin is a patented specialty composed of biomimetic hydroxyapatite functionalized with a cationic surfactant. It promotes long lasting bio-protection and hygiene (5 hours protection after single application).

It alters morphology and viability of Coronavirus and pathogen bacteria, with 99% reduction of the infectivity index.

Ideal to make cosmetics products that boost and support the action of soaps and sanitizers for the prevention of pandemic diffusion
Increases skin compactness (skin barrier integrity keeping).



Formulation



A	HELIANTHUS ANNUUS SEED OIL	HELIANTHUS ANNUUS SEED OIL	0.54
A	DICAPRYLYL CARBONATE	DICAPRYLYL CARBONATE	0.72
A	CETEARYL ETHYLHEXANOATE	CETEARYL ETHYLHEXANOATE	0.15
A	TRITICUM VULGARE GERM OIL	TRITICUM VULGARE GERM OIL	0.15
A	TOCOPHERYL ACETATE	TOCOPHERYL ACETATE	0.0078
A	UNDECANE (AND) TRIDECANE	UNDECANE (AND) TRIDECANE	1.2
A	PEG-40 SORBITAN PEROLEATE	PEG-40 SORBITAN PEROLEATE	0.231
A	BHT	BHT	0.0012
B	AQUA	AQUA	88,3
B	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	ACRYLATES/C10-30 ALKYL ACRYLATE CROSSPOLYMER	0,2
B	TRIETHANOLAMINE	TRIETHANOLAMINE	0,6
C	KALHYGIENIC	KALHYGIENIC	7,0
D	HYDROXYETHYL ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER & POLYISOBUTENE & PEG-7 TRIMETHYLOLPROPANE COCONUT ETHER	HYDROXYETHYL ACRYLATE/SODIUM ACRYLOYLDIMETHYL TAURATE COPOLYMER & POLYISOBUTENE & PEG-7 TRIMETHYLOLPROPANE COCONUT ETHER	0.9
E	PRESERVATIVES, FRAGRANCE	PRESERVATIVES, FRAGRANCE	AS NEEDED

MAIN FEATURES

- FAST DRYING
- ALCOHOL FREE
- LONG LASTING
- NOURISHING

Wetness Control Deodorant

Deo Hap Dry

Method:

Mix A1, A2, A3 then heat at 78°C. Add A4 little by little to the stirring hot solution. Stir for a few minutes to allow optimal hydration of the two powders.

Heat the ingredients of PHASE B to a temperature of 76°C, mixing until clear.

When both PHASE A and PHASE B have reached the indicated temperature, add PHASE B to PHASE A stirring and homogenizing. After the addition stir and homogenize for 5 minutes, then cool down the product to room temperature, always stirring. Stir and homogenize A2 alone, then add it to the product, stir and homogenize for 5 minutes. Add perfume, preservatives and citric acid as needed to set the pH to values between 6-8.

Description:

The innovative active ingredient Deo Hap Dry featured in this deodorant, allows a long lasting control of sweating and odors formation, respecting even the most sensitive skin. The versatility of this ingredient allows it to be used in spray, cream, roll-on and stick formulations. Thanks to the proven efficacy of Deo Hap, this deodorant is fully active for 48 hours against odors and sweat, even with a single application. Compared to other classic sweat control products, **Deo Hap Dry** not only respects the skin, but also improves its texture and elasticity.



Formulation



A1	DEMINEALIZED WATER	AQUA	79,1
A2	PANTHENOL	PANTHENOL	0,5
A3	DISSOLVINE 47S	AQUA, TETRASODIUM GLUTAMATE DIACETATE	0,2
A4	ACTIGUM VSX 20	SCLEROTIUM GUM, XANTHAN GUM	0,5
B1	OLIVOIL GLUTAMATE EMULSIFIER	SODIUM OLIVOYL GLUTAMATE, CETEARYL ALCOHOL, GLYCERYL STEARATE	2,0
B2	CETIOL C5C	COCO-CAPRYLATE/CAPRATE	2,0
B3	CETIOL CC	DICAPRYLYL CARBONATE	4,5
B4	TOCOPHERYL ACETATE	TOCOPHERYL ACETATE	0,2
A2	DEOHAP DRY	CALCIUM MAGNESIUM ZINC HYDROXYAPATITE, CLAY MINERALS, ZINC PCA, AQUA	20,0
C	pH REGULATOR, STABILIZERS, PRESERVATIVES PARFUM	pH REGULATOR, STABILIZERS, PRESERVATIVES PARFUM	AS NEEDED

MAIN FEATURES

- 48 HOURS EFFECTIVENESS
- SMART SWEAT ADSORBING ACTION
- MAXIMUM SAFETY PROFILE
- SKIN FRIENDLY APPROACH

Micellar Olive Water

Olivoil - Kemiderm NMF-V

Method:

Mix A1, A2, A3 AND A4 until a clear solution is obtained.

Mix B1,B2 and B3 until obtaining a homogeneous, clear and pale yellow solution.

Add phase A to phase B stirring gently.

Comments:

Micellar water containing Olive oil fatty acids based surfactants with gentle cleansing action and emollient after feel (**Olivoil Glutamate and Olivoil PCA**).

Fresh after feel, delicate action on the eye contour area with soft and emollient effect.

It removes the make-up and does not require rubbing.



Formulation



KEMIDERM NMF V

A1	WATER DEMIN./DEPUR.	AQUA	90,6
A2	ALOE BARBADENSIS DRY EXTRACT	ALOE BARBADENSIS LEAF EXTRACT	0,2
A3	DISSOLVINE 47S	AQUA, TETRASODIUM GLUTAMATE DIACETATE	0,1
A4	SODIUM CITRATE	SODIUM CITRATE	0,1
A5	GLYCEROL	GLYCERIN	2,0
B1	OLIVOIL PCA	AQUA, POTASSIUM OLIVOYL HYDROLYZED OAT PROTEIN, POTASSIUM COCOYL HYDROLYZED OAT PROTEIN	1,0
B2	OLIVOIL GLUTAMATE SURFACTANT	AQUA, SODIUM OLIVOYL GLUTAMATE, DISODIUM COCOYL GLUTAMATE	4,0
B3	KEMIDERM NMF V	UREA, GLUCOSE, FRUCTOSE, HYDROLYZED WHEAT PROTEIN, SODIUM GLUTAMATE, GLYCINE, LYSINE, MALIC ACID, TARTARIC ACID, CITRIC ACID, GLYCOLIC ACID, LACTIC ACID, SODIUM PCA, HYDROGENATED STARCH HYDROLYSATE, AQUA	2,0
C	PRESERVATIVES, PARFUM, SOLUBILIZER, COLORANT, pH REGULATOR	PRESERVATIVES, PARFUM, SOLUBILIZER, COLORANT, pH REGULATOR	AS NEEDED

MAIN FEATURES

- EFFECTIVE ON HEAVY MAKE UP
- SOOTHING AND EMOLLIENT AFTER FEEL
- MOISTURIZING AND SKIN REBALANCING
- SKIN FRIENDLY APPROACH

Anti-wrinkle Serum

Eye Contour

Method:

Mix the ingredients from A1 to A3 and heat them to a temperature of $76^{\circ} \pm 1^{\circ}\text{C}$ until all solids are melt and the phase is homogeneous. Keep at a temperature of $80^{\circ} \pm 1^{\circ}\text{C}$.

Mix the ingredients of phase A until a limpid, transparent solution is obtained. Heat phase A to a temperature of $75^{\circ}\text{C} \pm 1^{\circ}\text{C}$ mixing.

When the indicated temperatures have been reached, add phase B to phase A while stirring and homogenizing. After the union, continue to stir and homogenize for about 10 minutes. Cool the product to a temperature of 40°C . Stop homogenizing and continue stirring until the emulsion reaches room temperature.

Solubilize C2 in C1, then add the phase C to the product, homogenizing for a few minutes after every addition.

Description:

Antiageing cream containing highly functional actives, including **Peptilift** able to promote reduction of wrinkle volume by 55%, **Kalinat AW** providing the skin with an immediate lifting effect and **Kalibiome AGE** which induces skin redensification and microbiome equilibrium.



Formulation

KALIBIOME
A G E

OLIVOIL
GLUTAMATE
EMULSIFIER G-P

KALINAT
DNA

PEPTI lift

A1	COCO CAPRYLATE	COCO CAPRYLATE	8,1
A2	OLIVOIL GLUTAMATE EMULSIFIER G-PF	SODIUM OLIVOYL GLUTAMATE, CETEARYL ALCOHOL, GLYCERYL STEARATE	9,0
A3	CAPRYLIC/CAPRIC TRIGLYCERIDE	CAPRYLIC/CAPRIC TRIGLYCERIDE	6,3
A4	CETYL ALCOHOL	CETYL ALCOHOL	4,5
A5	TOCOPHERYL ACETATE	TOCOPHERYL ACETATE	0,9
B1	DEMINERALIZED WATER	AQUA	54,9
B2	KEMIDERM NMF V	UREA, GLUCOSE, FRUCTOSE, HYDROLYZED WHEAT PROTEIN, SODIUM GLUTAMATE, GLYCINE, LYSINE, MALIC ACID, TARTARIC ACID, CITRIC ACID, GLYCOLIC ACID, LACTIC ACID, SODIUM PCA, HYDROGENATED STARCH HYDROLYSATE, AQUA	3,0
B3	GLYCERIN	GLYCERIN	3,0
C1	KALINAT AW	SODIUM DNA	0,1
C2	DEMINERALIZED WATER	AQUA	5,0
D1	KALIBIOME AGE	LACTOBACILLUS FERMENT, MANNITOL, MALTODEXTRIN	0,2
D2	DEMINERALIZED WATER	AQUA	3,0
E	PEPTILIFT	AQUA, POTASSIUM GLUTATHIONE ISOMERIZED LINOLEATE, SH-PENTAPEPTIDE -5	2,0
F	PRESERVATIVES, PARFUM and pH REGULATOR	PRESERVATIVES, PARFUM and pH REGULATOR	AS NEEDED
G	STABILIZER/THICKENER	STABILIZER/THICKENER	AS NEEDED

MAIN FEATURES

- ANTI-WRINKLE
- IMMEDIATE SKIN LIFTING
- MICROBIOME BALANCING
- SKIN ELASTICITY ENHANCING

SPF 30 Sunscreen Milk

Apalight SP

Method:

Heat all of the ingredients of phase A to a temperature of $72^{\circ}\text{C} \pm 2^{\circ}\text{C}$ mixing. Mix B2 and B3 until homogeneous, then add the dispersion to B1 and mix until a transparent fluid gel is obtained.

Heat the gel to a temperature of $75^{\circ} \pm 2^{\circ}\text{C}$. When the indicated temperatures of both phases have been reached, add phase B to phase A while stirring and homogenizing.

After the union, continue to stir and homogenize for about 10 minutes. Cool the product to a temperature of 40°C , then add preservatives, parfum and pH regulator as much as needed to set the pH between 6,80 and 7,00. Stop homogenizing and continue stirring until the emulsion reaches room temperature.

Description:

SPF 30 Sunscreen is a combination of organic filters and a mineral SPF Booster containing biomimetic hydroxyapatite, **Apalight SP**. The PALM FREE emulsifier enables to obtain a dermocompatible lamellar liquid crystal system that optimizes the filters distribution and homogeneity.



Formulation



A1	OCTOCRYLENE	OCTOCRYLENE	8,0
A2	HOMOSALATE	HOMOSALATE	8,0
A3	C12-15 ALKYL BENZOATE	C12-15 ALKYL BENZOATE	6,0
A4	BUTHYL METHOXYDIBENZOYLMETHANE	BUTHYL METHOXYDIBENZOYLMETHANE	4,0
A5	CAPRYLIC/CAPRIC TRIGLYCERIDE	CAPRYLIC/CAPRIC TRIGLYCERIDE	4,0
A6	OLIVOIL GLUTAMATE EMULSIFIER G-PF	STEARIC ACID, GLYCERYL STEARATE, BEHENYL ALCOHOL, GLYCERYL STEARATE CITRATE, SODIUM OLIVOYL GLUTAMATE, GLYCERYL OLEATE, AQUA	8,0
A7	APALIGHT SP	HYDROXYAPATITE	4,0
B1	DEMINERALIZED WATER	AQUA	54,85
B2	XANTHAN GUM	XANTHAN GUM	0,15
B3	GLYCERIN	GLYCERIN	3,0
C	PRESERVATIVES, PARFUM AND PH REGULATOR	PRESERVATIVES, PARFUM AND PH REGULATOR	AS NEEDED

MAIN FEATURES

- EMULSIFIER WITH SILICON LIKE TEXTURE
- SPF MINERAL BOOSTER
- NO WHITE EFFECT
- NO NANO

ReGenHair Q Detangling Balm

Kerashaft Q

Method:

Heat the ingredients of PHASE A to a temperature of 76°C, mixing until clear. Mix WATER and GLYCEROL, heat at 78°C. Add ESAFLOR ZERO-XB and NATROSOL MR little by little to stirring hot water. Add lactic acid drop by drop as needed to set the pH around 4,50. When both PHASE A and PHASE B have reached the indicated temperature, add PHASE A to PHASE B stirring and homogenizing. After the addition stir and homogenize for a 5 minutes, then cool down the product to room temperature stirring. Add KERASHAFT Q, stir and homogenize for 5 minutes. Add perfume, preservatives and lactic acid as needed to set the pH around.

Description:

This rinse-off hair balm is based on easily biodegradable ingredients of vegetable origin. It is suitable for all kinds of hair, but specifically designed for heavily damaged hair. This hair balm synergizes with ReGenHair V shampoo to deeply repair the hair, not only leaving it more shiny but also more resistant, easy to comb and healthy because of the activity of **KERASHAFT Q**. KERASHAFT Q is a solution of “keratin- like” quaternized polypeptides and oligopeptides derived from selected vegetable protein: it has outshined the performances of animal keratin in numerous ex vivo tests carried in specialized universities.



Formulation

KERA *Shaft* **Q**

A1	VARISOFT EQ 65 MB	DISTEAROYLETHYL DIMONIUM CHLORIDE, CETEARYL ALCOHOL	6,00
A2	JOJOBA OIL	SIMMONDSIA CHINENSIS SEED OIL	3,00
A3	ALCOOL CETILICO	CETYL ALCOHOL	3,00
B1	DEMINERALIZED WATER	AQUA	83,25
B2	GLYCEROL	GLYCERIN	3,00
B3	ESAFLOR ZERO-XB	GUAR HYDROXYPROPYLTRIMONIUM CHLORIDE	0,15
B4	NATROSOL MR	HYDROXYETHYLCELLULOSE	0,6
B5	LACTIC ACID	LACTIC ACID	as needed
C	KERASHAFT Q	AQUA, HYDROXYPROPYLTRIMONIUM HYDROLYZED VEGETABLE PROTEIN	5,00
D	PERFUME, PRESERVATIVES, LACTIC ACID	PERFUME, PRESERVATIVES, LACTIC ACID	as needed

MAIN FEATURES

- DETANGLING ACTION
- HAIR NOURISHING
- VOLUMIZING

Shaft Volume Blast

Stimucap, Kalirice, Olivoil

Method:

Mix water, OLIVOIL SURFACTANT, STIMUCAP and KALIRICE 20 until the solution is clear, transparent and yellowish.

Heat the remaining WATER to a temperature of 35°C (-/+ 5°C), add KALINAT AW POWDER to the stirring water.

Keep stirring for 30-60 minutes until complete dissolution and the solution is slightly gelatinous.

Mix perfume and essential oils with alcohol until a homogeneous and limpid phase is obtained.

Add slowly perfume and Ethyl Alcohol mixing until obtaining a clear solution. Final pH: 7-7,5. Aspect: clear liquid.

Description:

Lotion containing olive derived lipo-polypeptides (**Olivoil Avenate** and **Olivoil Surfactant**), hydrolyzed rice protein (**Kalirice 20**) and an innovative hair anti-ageing complex based on CLA glutathione and DNA (**Stimucap**). Ideal to boost hair shaft volume and nourishment.



Formulation



1	DEMINERALIZED WATER	AQUA	65
2	OLIVOIL AVENATE	AQUA, POTASSIUM OLIVOYL HYDROLYZED OAT PROTEIN	1,5
3	OLIVOIL SURFACTANT	AQUA, POTASSIUM OLIVOYL HYDROLYZED WHEAT PROTEIN	1
4	STIMUCAP	SODIUM DNA, AQUA, POTASSIUM GLUTATHIONE ISOMERIZED LINO-LEATE	1
5	KALIRICE 20	AQUA, HYDROLYZED WHEAT PROTEIN	1
6	KALINAT AW POWDER	SODIUM DNA	0,1
7	DEMINERALIZED WATER	AQUA	10,4
8	ETHYL ALCOHOL	ALCOHOL DENAT.,	20

MAIN FEATURES

- HAIR FILMING AND VOLUMIZING
- ROOT NOURISHMENT
- SHAFT VOLUME BLAST
- ANTI-INFLAMMATORY

Mouthwash

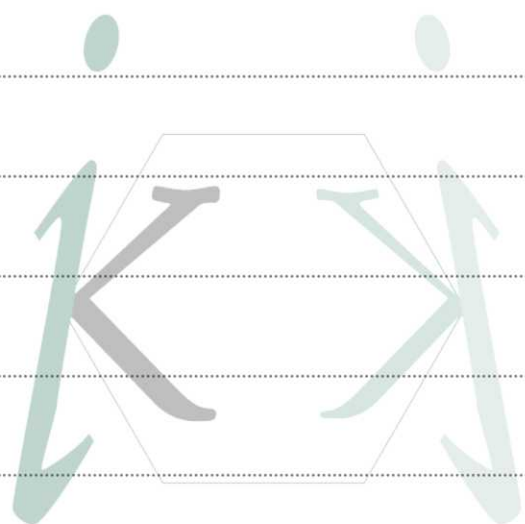
with Kalhygienic Oris



	COMMERCIAL NAME	INCI NAME	%
A	KALHYGIENIC ORIS	HYDROXYAPATITE (AND) CETYLPYRIDINIUM CHLORIDE	0,50
A	CETYLPYRIDINIUM CHLORIDE	CETYLPYRIDINIUM CHLORIDE	0,05
A	GLYCEROL	GLYCERIN	6,00
A	ZEMEA	PROPANEDIOL	5,00
A	ARISTOFLEX AVS	SODIUM ACRYLOYLDIMETHYLAURATE/VP CROSSPOLYMER	0,30
A	AQUA	AQUA	87,80
B	PEG-40 HYDROGENATED CASTOR OIL	PEG-40 HYDROGENATED CASTOR OIL	0,10
B	PEPPERMINT SENSE	FLAVOUR	0,10
C	SACCHARIN SODIUM BP	SODIUM SACCHARIN	0,15

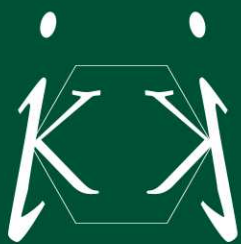


Notes:



Kalichem

a lamberti company



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