

# Sustainable Products

## Formulation Book

Time-Turner Face Elixir

Alcohol-free Hand Sanitizer

Antimicrobial Mouth Rinse







# Product Formulation

## Niacinamide Serum

PHC-PF-24-136

A lightweight, non-greasy serum that utilizes the power of Niacinamide and Bakuchiol for smooth, radiant skin. It gently absorbs, leaving the skin feeling refreshed and balanced throughout the day.

Phase	Ingredient	INCI	Function	%
A1	Water	Aqua	Diluent	49.90
A2	Carbopol Ultrez 30	Carbomer	Thickener	0.20
<b>A3</b>	<b>Glysoft RG</b>	<b>Glycerin</b>	<b>Humectant</b>	<b>3.00</b>
A4	Propylene Glycol	Propylene Glycol	Humectant	0.50
B1	Water	Aqua	Diluent	36.90
B2	Sodium Hyaluronate	Sodium Hyaluronate	Moisturizing Active	0.50
C1	Niacinamide	Vitamin B3 (Niacinamide)	Active Ingredient	5.00
C2	Aloe Vera Extract	Aloe barbadensis (aloe vera) Extract	Active	1.00
<b>C3</b>	<b>Emulsier PGE100</b>	<b>Polyglyceryl-10 Caprylate</b>	<b>Emulsifier/ Solubilizer</b>	<b>1.50</b>
<b>C4</b>	<b>NatPro AO100</b>	<b>Glyceryl Caprylate (and) Glyceryl Caprate (and) Glyceryl Laurate, Ferulic Acid</b>	<b>Preservative/ Antioxidant</b>	<b>1.00</b>
<b>C5</b>	<b>Glyzer CE200</b>	<b>Isoamyl Laurate</b>	<b>Emollient</b>	<b>0.30</b>
<b>C6</b>	<b>Bakuchiol</b>	<b>Psoralea Corylifolia</b>	<b>Active</b>	<b>0.10</b>
C7	Fragrance	Fragrance	Fragrance	0.10
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Boosts hydration
- ✓ Fast absorbing and non-greasy
- ✓ Minimizes pores
- ✓ Balances oil production

### Key Ingredients

#### NatPro AO100

- ✓ 100% natural-derived
- ✓ Effective at low dosage
- ✓ Thermo-stable: can be incorporated to the hot process
- ✓ ISO 16128-1: 100%



#### Glyzer CE200

- ✓ Derived from coconut oil
- ✓ Quick absorbing emollient
- ✓ Non-greasy
- ✓ ISO 16128-1: 100%

#### Emulsier PGE 100

- ✓ 100% natural emulsifier
- ✓ Coconut-derived
- ✓ Ethoxylate-free
- ✓ ISO-16128-1: 100%



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# Product Formulation

## Procedure

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1	In a clean container, load the Water and Carbopol. Mix until homogenous.
2	Add the ingredients from A3 to A4. Mix until homogenous.
3	In a separate container, add the water. Gradually add Sodium Hyaluronate. Mix until homogenous.
4	Add Phase B to Phase A ingredients, mix until completely homogenous.
5	Add remaining ingredients under Phase C. Mix until homogenous.
5	Fill into the desired container.

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## Specification

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Appearance	Liquid Emulsion
pH	5.5 - 6.0

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# Product Formulation

## Alcohol-Free Hand Sanitizer

PHC-PF-24-133

Alcohol-free hand sanitizer based **NatPro 8000**. A proven and tested natural antimicrobial active based on coconut fatty acid. The formulation delivers smooth, non-tacky skin feel and stable emulsion because of **Emulsier PGE100**. **Glyzer CE300** delivers smooth and silky skin feel after drying.

Phase	Ingredient	INCI	Function	%
A1	<b>NatPro 8000</b>	<b>Glyceryl Caprylate (and) Glyceryl Caprate (and) Glyceryl Laurate</b>	Antimicrobial Active	2.00
A2	<b>Emulsier PGE100</b>	<b>Polyglyceryl-10 Laurate</b>	Emulsifier	1.00
A3	<b>Glyzer CE300</b>	<b>Coco-Caprylate/Caprates</b>	Emollient	1.00
A4	Tea Tree Oil	<i>Melaleuca alternifolia</i> Leaf Oil (Tea Tree oil)	Essential Oil	0.10
A5	Lavender Oil	<i>Lavandula angustifolia</i> Oil	Essential Oil	0.20
A6	Orange Myrtle Oil	<i>Myrtus communis</i> Oil	Essential Oil	0.20
A7	Water	Aqua	Diluents	95.50
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Easy to prepare “melt & pour”
- ✓ White, rich and creamy foam
- ✓ With natural moisturizer, non-drying and smooth after skin feel

### Key Ingredients

#### NatPro 8000

- ✓ Natural Antimicrobial Active
- ✓ Coconut-derived
- ✓ Biodegradable
- ✓ Vegan
- ✓ ISO-16128: 100%



#### Emulsier PGE100

- ✓ 100% Coconut-derived emulsifier
- ✓ Ethoxylate-free emulsifier
- ✓ PEG-Free emulsifier
- ✓ ISO-16128: 100%



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# Product Formulation

## Procedure

- 1 In a clean container, combine ingredients A1 to A6. Mix until completely homogeneous.
- 2 At water, continue mixing for 10 minutes until the mixture becomes milky.

## Specification

Appearance	Water-thin milky emulsion
pH (as is)	6.5 – 7.4
Density, g/mL	1.00

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# Product Formulation

## Oil Pulling

PHC-PF-24-134

This coconut oil-pulling solution, inspired by Ayurvedic practices, uses coconut oil to cleanse your mouth and reduce bacteria. Unlike regular coconut oil, it stays liquid in cooler weather, making it easy to use anytime for oral care.

Phase	Ingredient	INCI	Function	%
A1	Natura MCT612T	Caproic/Caprylic/Capric/Lauric Triglycerides	Active	95.45
A2	Peppermint Oil	<i>Mentha piperita</i> (Peppermint) Oil	Flavor	2.00
A3	Spearmint Oil	<i>Mentha Viridis</i> (Spearmint) Leaf Oil	Flavor	2.00
A3	Clove Bud Oil	<i>Eugenia Caryophyllus Bud</i> (Clove) Oil	Flavor	0.10
A3	Tea Tree Oil	<i>Melaleuca Alternifolia</i> (Tea Tree) Leaf Oil	Flavor	0.05
A3	Oregano Oil	<i>Origanum Vulgare</i> (Oregano) Oil	Flavor	0.05
A3	Fennel Oil	<i>Foeniculum Vulgare</i> (Fennel) Oil	Flavor	0.05
A3	Cardamom Oil	<i>Elettaria Cardamomum</i> (Cardamom) Oil	Flavor	0.10
A3	Vitamin E	Tocopheryl Acetate	Active	0.10
A3	Vitamin D	Cholecalciferol	Active	0.05
A3	Vitamin K2	Menaquinone	Active	0.05
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Alcohol-free formulation
- ✓ Made with natural ingredients
- ✓ With coconut-based antibacterial active

### Key Ingredients

#### Natura MCT 812

- ✓ From sustainable coconuts
- ✓ Ideal carrier for flavors, vitamins and other similar nutrients
- ✓ No trans-fatty acids
- ✓ ISO 16128: 100%

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# Product Formulation

## Procedure

- 1 In a clean container, load all ingredients one at a time while continuous mixing.
- 2 Transfer to desired container.

## Specification

Appearance	Clear liquid
Color	Colorless to light yellow
Density	0.93 – 0.96

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Phase	Ingredient	INCI	Function	%
A1	Natura LCO SL5 FF	Liquid Coconut Oil	Active	95.45
A2	Peppermint Oil	<i>Mentha piperita</i> (Peppermint) Oil	Flavor	2.00
A3	Spearmint Oil	<i>Mentha Viridis</i> (Spearmint) Leaf Oil	Flavor	2.00
A3	Clove Bud Oil	<i>Eugenia Caryophyllus Bud</i> (Clove) Oil	Flavor	0.10
A3	Tea Tree Oil	<i>Melaleuca Alternifolia</i> (Tea Tree) Leaf Oil	Flavor	0.05
A3	Oregano Oil	<i>Origanum Vulgare</i> (Oregano) Oil	Flavor	0.05
A3	Fennel Oil	<i>Foeniculum Vulgare</i> (Fennel) Oil	Flavor	0.05
A3	Cardamom Oil	<i>Elettaria Cardamomum</i> (Cardamom) Oil	Flavor	0.10
A3	Vitamin E	Tocopheryl Acetate	Active	0.10
A3	Vitamin D	Cholecalciferol	Active	0.05
A3	Vitamin K2	Menaquinone	Active	0.05
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Alcohol-free formulation
- ✓ Made with natural ingredients
- ✓ With coconut-based antibacterial active

### Key Ingredients

#### Natura LCO SL5 FF

- ✓ From sustainable coconuts
- ✓ Mainly made from medium chain fatty acids that are digested and absorbed by the body more rapidly providing quick source of energy.
- ✓ Low slip point that will remain liquid in cold climates.
- ✓ Odorless and tasteless
- ✓ ISO 16128: 100%

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# Product Formulation

## Procedure

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- 1 In a clean container, load all ingredients one at a time while continuous mixing.
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## Specification

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Appearance	Clear liquid
Color	Colorless to light yellow
Density	0.93 – 0.96

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