

AC Keratin Hydrolysate 30 PF Sample Formulations

Code: 20586PF
INCI Name: Hydrolyzed Keratin
CAS #: 69430-36-0
EINECS #: 274-001-1

Sample Finished Formulation Guidelines

Sulfate-free Moisturizing Hand Cleanser
NCCT-13-003 – Sulfate-free Moisturizing Hand Cleanser

Straightening Hair Mist
NCCT11-002 – Straightening Hair Mist



Tomorrow's Vision... Today!

Sulfate-free Moisturizing Hand Cleanser

Formulation Code: NCCT-13-003

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	QS
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	0.20
Aloe Barbadosis Leaf Extract	ABS Aloe Powder/Active Concepts, LLC	0.50
Phase II		
Saponins	ABS Soapberry Saponins/Active Concepts, LLC	10.00
Sodium Cocoyl Hydrolyzed Rice Protein	AC Foaming Rice/ Active Concepts, LLC	20.00
Hydrolyzed Keratin	AC Keratin Hydrolysate 30 PF/Active Concepts, LLC	5.00
TEA-Cocoyl Hydrolyzed Collagen & Sorbitol	AC Foaming Collagen 70/Active Concepts, LLC	20.00
Phase III		
Water (and) Saccharum Officinarum (Sugar Cane) Extract (and) Vaccinium Myrtillus Extract (and) Citrus Aurantium Dulcis (Orange) Fruit Extract (and) Acer Saccharum (Sugar Maple) Extract (and) Citrus Medica Limonum (Lemon Fruit) Extract	ACB Fruit Mix/Active Concepts, LLC	5.00
Water (and) Melissa Officinalis Extract	ACB Lemon Balm Extract/Active Concepts, LLC	5.00
Water (and) Phospholipids (and) Retinyl Palmitate (and) Ascorbyl Palmitate (and) Tocopheryl Acetate	AC Vitamin ACE Liposome/Active Concepts, LLC	5.00
Lactobacillus/Citrus Medica Limonum (Lemon) Peel Ferment Extract	ACB Lemon Peel Extract/Active Concepts, LLC	1.00
Water (and) Propylene Glycol (and) Collagen Amino Acids (and) Adenosine Triphosphate	AC ATP/Active Concepts, LLC	1.00
Water (and) Oryza Sativa (Rice) Extract	AC DermaPeptide Revitalizing/Active Concepts, LLC	4.00
Phase IV		
PEG-150 Pentaerythrityl Tetrastearate (and) PEG-6 Caprylic/Capric Glycerides (and) Water	Crothix Liquid/Croda	1.00
Leuconostoc/ Radish Root Ferment Filtrate	Leucidal Liquid /Active Micro Technologies	3.00
Sodium Hydroxide	NaOH 25% Solution	0.90

Manufacturing Process:

- Phase I:** Charge water into main beaker and begin paddle mixing. Charge each ingredient. Begin heating to 75°C.
- Phase II:** Once temperature is reached, charge each ingredient individually. Maintain temperature of 70°C and continue mixing for 15 minutes.
- Phase III:** Begin force cooling. Add each at 50°C.
- Phase IV:** Add each at 45°C.



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Straightening Hair Mist

Formulation Code: NCCT11-002

Ingredient	INCI Name/Vendor	%
Phase I		
Water	Water	QS
Glycerin	Glycerin	3.0
Phase II		
Lactobacillus/Arundinaria Gigantea Ferment Filtrate/ Active Concepts LLC	ACB Bio-Water Bamboo	5.0
Salix Alba (Willow) Bark Extract/ Active Concepts LLC	ABS White Willow Bark Extract Powder	1.0
Hydrolyzed Keratin & Trametes Versicolor Extract/ Active Concepts LLC	AC Kerazyme [®]	5.0
Phase III		
Polysorbate 20/Lipo Chemicals	Liposorb	1.0
Phase IV		
Leuconostoc/Radish Root Ferment Filtrate/ Active Micro Technologies	Leucidal [®] Liquid SF	2.0

Manufacturing Process:

- Phase I:** Charge water into main beaker and begin propeller mixing. A vortex should form. Charge the glycerin and begin heating to 60°C.
- Phase II:** Charge ingredients in a separate beaker at 60°C and begin propeller mixing. When homogenous, charge phase II to phase I and continue mixing.
- Phase III:** Slowly add Phase III and continue mixing.
- Phase IV:** Begin force cooling. Add starting at 50°C and continue mixing for 20 minutes.