



Tomorrow's Vision... Today!

AC Kerazyme[®] Sample Formulations

Code: 16594
INCI Name: Hydrolyzed Keratin & *Trametes versicolor* Extract
CAS #: 69430-36-0 & 999999-99-4
EINECS #: 274-001-1 & 310-127-6

Sample Finished Formulation Guidelines

Hair Cream

NCCT10-001 – Curl/ Straight Hair Cream

Straightening Hair Mist

NCCT11-002 – Straightening Hair Mist

Exfoliating Hair Cream

NCCT12-003 – Exfoliating Hair Cream

Version#1/08-08-14/Form#87



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Exfoliating Hair Cream

Formulation Code: NCCT12-003

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	QS
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	0.20
Salix Alba (Willow) Bark Extract	ABS White Willow Bark Extract Powder/Active Concepts, LLC	2.00
Glycerin	Glycerin	4.00
Phase II		
Glyceryl Stearate	Protachem GMS-450/Protameen	4.00
Cyclopentasiloxane	DC 245/Dow Corning	13.80
Polymethylsilsesquioxane	SilDerm SQ/Active Concepts, LLC	1.20
PEG-100 Stearate	Protamate 4400-DPS/Protameen	2.00
Cetearyl Alcohol	Cetearyl Alcohol/Rita Corp.	5.00
Rubus Chamaemorus Seed Oil	AC Cloudberry Seed Oil/Active Concepts, LLC	2.00
Sesamum Indicum (Sesame) Oil	Sesame Seed Oil/Arista	2.00
Cyclopentasiloxane (and) Polydimethylsiloxane/Polymethylsilsesquioxane Copolymer (and) Silk	SilDerm Softening/ Active Concepts, LLC	5.00
Phase III		
VP/DMAPA/Acrylates Copolymer	Styleze CC-10/ISP	5.00
Lactobacillus/Arundinaria Gigantea Ferment Extract	ACB Bamboo Bioferment PF/ Active Concepts, LLC	10.00
Salix Alba (Willow) Bark Extract	ABS White Willow Bark Extract/ Active Concepts, LLC	3.00
Triethanolamine	TEA 99%/Rita Corporation	0.30
Hydrolyzed Keratin & Trametes Versicolor Extract	AC Kerazyme/Active Concepts, LLC	5.00
Phase IV		
Lactobacillus Ferment	Leucidal Liquid SF/Active Micro Technologies	2.00

Manufacturing Process:

- Phase I:** Add water into main beaker and begin propeller mixing. A vortex should form. Add Dermofeel PA-3. Sift in ABS White Willow Bark Extract Powder. Add glycerin. Begin heating to 75°C.
- Phase II:** In a separate container, blend ingredients and heat to 80°C. Once temperatures have been reached, add Phase II to Phase I. Maintain batch temperature at 78°C and continue mixing for 15 minutes.
- Phase III:** Begin force cooling. Add each ingredient at 50°C.
- Phase IV:** Add at 45°C.

Application: For best results, apply product on wet hair and dry before straightening.



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Straightening Hair Mist

Formulation Code: NCCT11-002

Ingredient	INCI Name/Vendor	%
Phase I		
Water	Water	Q.S.
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.

Curl/Straight Hair Cream

Formulation Code: NCCT10-001

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	QS
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	0.20
Salix Alba (Willow) Bark Extract	ABS White Willow Bark Extract Powder/Active Concepts, LLC	2.00
Glycerin	Glycerin	4.00
Phase II		
Glyceryl Stearate	Protachem GMS-450/Protameen	4.00
Cyclopentasiloxane	DC 245/Dow Corning	13.80
Polymethylsilsesquioxane	SilDerm [®] SQ/Active Concepts, LLC	1.20
PEG-100 Stearate	Protamate 4400-DPS/Protameen	2.00
Cetearyl Alcohol	Cetearyl Alcohol/Rita Corp.	5.00
Rubus Chamaemorus Seed Oil	AC Cloudberry Seed Oil/Active Concepts, LLC	2.00
Sesamum Indicum (Sesame) Oil	Sesame Seed Oil/Arista	2.00
Cyclopentasiloxane (and) Polydimethylsiloxane/Polymethylsilsesquioxane Copolymer (and) Silk	SilDerm [®] Softening/Active Concepts, LLC	5.00
Phase III		
VP/DMAPA/Acrylates Copolymer	Styleze CC-10/ISP	5.00
Lactobacillus/Arundinaria Gigantea Ferment Extract	ACB Bamboo Bioferment PF/Active Concepts, LLC	10.00
Rosa Canina Fruit Extract	ABS White Tea Extract/Active Concepts, LLC	3.00
Triethanolamine	TEA 99%/Rita Corporation	0.30
Hydrolyzed Keratin & Trametes Versicolor Extract	AC Kerazyme [®] /Active Concepts, LLC	5.00
Phase IV		
Lactobacillus Ferment	Leucidal [®] Liquid SF/Active Micro Technologies	2.00

Manufacturing Process:

- Phase I:** Add water into main beaker and begin propeller mixing. A vortex should form. Add Dermofeel PA-3. Sift in ABS White Willow Bark Extract Powder. Add glycerin. Begin heating to 75°C.
- Phase II:** In a separate container, blend ingredients and heat to 80°C. Once temperatures have been reached, add Phase II to Phase I. Maintain batch temperature at 78°C and continue mixing for 15 minutes.
- Phase III:** Begin force cooling. Add each ingredient at 50°C.
- Phase IV:** Add at 45°C.

Application: For best results, apply product on wet hair and dry before straightening.