

ACB Willow Bark Extract 20% Sample Formulations

Code: 20200
INCI Name: Salix Nigra (Willow) Bark Extract
CAS #: 7732-18-5 & 84650-64-6
EINECS #: 231-791-2 & 283-522-3

Sample Finished Formulation Guidelines

Problem Skin Moisturizer
NCJC-07-70 – Problem Skin Moisturizer

Cleansing Liquid
NCCT-11-010 – Cleansing Liquid

Problem Skin Moisturizer Formulation Code: NCJC-07-70

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	QS
Lactobacillus/Oat Ferment Extract Filtrate	ACB Oat Extract Beta PF/ Active Concepts, LLC	1.50
Phase II		
Polyacrylamide & C13-14 Isoparaffin & Laureth-7	Sepigel 305/Seppic	3.30
Phase III		
Polydimethylcyclosiloxane	Dow 345 Fluid/Dow Corning	4.00
C12-15 Alkyl Benzoate	Finsolv TN/Finetex	2.00
Retinyl Palmitate	Retinyl Palmitate/A&E Connock	0.05
Tocopheryl Acetate	Vitamin E Acetate/BASF	0.20
Phase IV		
Water & Sodium C8-16 Isoalkylsuccinyl Lactoglobulin Sulfonate & Salix Nigra (Willow) Bark Extract	ACB Equalizing Complex/ Active Concepts, LLC	2.00
Phase V		
Lactobacillus/Punica Granatum Fruit Ferment Extract	ACB Modified Pomegranate Enzyme PF/ Active Concepts, LLC	5.00
Phase VI		
Poly(2-acrylamido-2-methyl-1-propanesulfonic Acid)	Cosmedica HSP-1180/Cognis Care Chem	0.15
Phase VII		
Butylene Glycol	Butylene Glycol	2.00
Polymethyl Methacrylate	PMMA Beads/Tagra	0.50
Glycerin	Glycerin/Rita Corp	0.50
Phase VIII		
Leuconostoc/Radish Root Ferment Filtrate	Leucidal Liquid/Active Micro Technologies	1.00

Manufacturing Process:

- Phase I:** Combine materials and heat to 50°C and hold for 15 minutes. Shut off heat.
- Phase II:** Disperse materials into batch and mix for 15 minutes.
- Phase III:** Combine and add materials to batch and mix for 20 minutes.
- Phase IV:** Add to batch and mix for 15 minutes.
- Phase V:** Add to batch and mix for 15 minutes.
- Phase VI:** Add to batch and mix for 15 minutes.
- Phase VII:** Combine and add materials to batch and mix for 20 minutes.
- Phase VIII:** Add to batch and mix for 30 minutes

Cleansing Liquid Formulation Code: NCCT-11-010

Ingredient	Trade Name/Vendor	%
Phase I		
Demineralized Water	Demineralized Water	QS
	Methocel E4-M (Premium)/Amerchol	1.00
Phase II		
Demineralized Water	Demineralized Water	40.00
Disodium EDTA	HAMP-ENE2	0.05
Benalkonium Chloride	Barquat MB50 / Lonza Ltd	0.10
Phase III		
Polysorbate 20	Tween 20 / Uniquema Americas	1.00
Orpheus Rose Oil	Orpheus Rose Oil	0.15
Sucrose Cocoate	Crodesta SL40 / Croda Chemicals	1.00
Cocamidopropyl Betaine	Velvetex BK35 / Cognis	20.00
Propylene Glycol & Diazolidinyl Urea & Methylparaben & Propylparaben	Germaben II / Sutton	1.00
Salix Nigra (Willow) Bark Extract	ACB Willow Bark Extract 20% / Active Concepts, LLC	

Manufacturing Process:

1. In kettle 1: Heat above water to 85C. Sift in Methocel slowly. Maintain temp and mix a minimum of 20 minutes.
2. Begin cooling batch. While batch is cooling, pre-mix above ingredients. When batch has reached 40-45C, add above ingredients which were pre-mixed into batch. Mix a minimum of 30 minutes.
3. Combine in a separate kettle above ingredients. If necessary heat to a maximum temperature of 45C to dissolve all ingredients. When both kettles are of equal temperature (35C) add kettle 1 into kettle 2.