



Tomorrow's Vision... Today!

Phyto-Biotics Quercus Sample Formulations

Code: 16588
INCI Name: Quercus Alba Bark Extract
CAS #: 68917-11-3
EINECS #: 272-838-7

Sample Finished Formulation Guidelines

Active Concepts Quercus Stem Cell Firming Eye Gel
NCJC-14-005 – AC Quercus Stem Cell Firming Eye Gel

Version#1/12-10-14/Form#87

AC Quercus Stem Cell Firming Eye Gel Formulation Code: NCJC-14-005

Ingredient	Trade Name/Vendor	%
Phase I		
Water	Water	QS
Aloe Barbadosensis Leaf Extract	ABS Aloe Powder/Active Concepts, LLC	0.10
Carbomer	Ultrez 10/Noveon	0.50
Sodium Phytate	Dermofeel PA-3/Dr. Straetmans	0.20
Glycerin	Glycerin	3.00
Phase II		
Water (and) Glycerin (and) Sodium Acrylate	Zilgel VV/Presperse	15.00
Mannan	Koniac Mannan/Kinetik Technologies	1.00
Phase III		
Hydroxypropyltrimonium Hydrolyzed Silk	AC Quaternized Silk/Active Concepts, LLC	0.50
Water (and) Butylene Glycol (and) Foeniculum Vulgare (Fennel) Fruit Extract	ABS Fennel Extract/Active Concepts, LLC	1.00
Lactobacillus/Theobroma Cacao (Cocoa) Fruit Ferment Filtrate	ACB Cocoa Bioferment/Active Concepts, LLC	1.00
Water (and) Saccharomyces Lysate Extract	AC Dermal Respiratory Factor/Active Concepts, LLC	0.50
Lactobacillus/Eriodictyon Californicum Ferment Extract	ACB Yerba Santa Glycoprotein/ Active Concepts, LLC	1.00
Lactobacillus/Ganoderma Lucidum (Reishi Mushroom Extract/Lentinus Edodes (Shitake Mushroom) Extract Ferment Filtrate	ACB Mushroom Extract SM/Active Concepts, LLC	1.00
Quercus Alba Bark Extract	Phyto-Biotics Quercus/ Active Concepts, LLC	4.00
Phase IV		
Trietholamine	TEA 99%/Rita Corp	0.50
Phase V		
Trimethylolpropane Tricaprylate/Tricaprate (and) Glycerin (and) Cetearyl Alcohol (and) Ceteareth 20 (and) Glyceryl Stearate (and) PEG 100 Stearate (and) Steareth 2 (and) Dimethicone (and) Ceteth 24 (and) Choleth 24 (and) Phospholipids (and) Propylene Glycol (and) Disodium EDTA	Nano-Emulsion Concentrate/Active Concepts, LLC	10.00
Phenoxyethanol (and) Methylparaben (and) Propylparaben (and) Ethylparaben (and) Butylparaben (and) Isobutylparaben	Phenonip/Clariant	1.00
Polymethylsilsesquioxane	SilDerm® SQ/Active Concepts, LLC	1.00

Manufacturing Process:

Phase I: Charge water into main beaker and begin propeller mixing. A vortex should form. Begin heating to 75°C. Sift in ABS Aloe Powder. Sift in Ultrez 10. Mix for 15 minutes. Charge remaining ingredients and continue mixing for 15 minutes.

- Phase II:** Remove heat and switch to sweep mixing. Charge ingredients at 50°C.
Phase III: Add each ingredient.
Phase IV: Add to main.
Phase V: Charge Nano-Emulsion Concentrate. Charge Phenonip. Slowly sift in SilDerm SQ. May homogenize if necessary.