

# Actera



## Scalp Rescue Shampoo

Formulation #10-136

Clinically proven to reduce the signs of an unbalanced scalp: redness, itching, irritation, and flaking. This gently exfoliating formula relieves and soothes the scalp with powerful anti-inflammatory and anti-microbial benefits from **Salixin®**.

Phase	INCI	Trade Name	%
A	Deionized Water		Q.S.
	Polyquaternium-10		0.1
B	Caprylyl Glyceryl Ether (and) Caprylhydroxamic Acid (and) Propanediol	<b>TeraStat™ N</b>	2.0
C	Cocamidopropyl Hydroxysultaine (and) Sodium Cocoampho hydroxypropylsulfonate (and) Cocamide DIPA (and) Maltodextrin Laurate <sup>1</sup>		30.0
	Sodium Cocoyl Glutamate <sup>2</sup>		15.0
	Lactobacillus/Salix Purpurea Bark Ferment Extract (and) Glycerin	<b>Salixin®</b>	2.0
E	Citric Acid 50% Solution		QS pH ~5.5-5.75
F	Sodium Chloride		1.00
Total			100.0

### Procedure

1. Charge water to main vessel. Slowly disperse the powder under high shear propeller mixing until uniform and clump free.
2. Disperse Phase B into Phase A. Mix until uniform.
3. Add 1/3 of Phase C to Phase AB while mixing. Mix under low shear until uniform.
4. Heat Phase ABC to 80°C with gentle swirling at 10-15 minute increments to ensure even heating. Hold temp at 80°C for ~15 minutes.
5. Remove from heat and continue mixing under low shear until at ~50°C. Add remaining 2/3 of Phase C to the main vessel and mix until uniform.
6. Add Phase D to Phase ABC at or below 40°C. Mix until uniform.
7. Adjust pH using Phase E. Mix for 5 minutes.
7. Add Phase F to Phase ABCDE. Mix for at least 30 minutes.

### Physical Properties

pH = 5.90      Viscosity = 3,270 cP      Appearance: Translucent amber gel

### Stability

Passed 12 weeks at RT and 40°C and 3 cycles F/T

### Use Instructions

Massage onto wet scalp and hair. Rinse well with water.

### Intended packaging

Pump, tube, bottle

1. Dexterra® Cleanse

2. Glutamix™ A-50