



FORMULATION

AC251 Equine Sulfate-Free Body Wash w/Microsil® HAF-MV30

Lab No. 30-015

INCI ingredients	Trade name (supplier)	% w/w
A. Deionized Water		60.450
B. Guar Hydroxypropyltrimonium Chloride	Activsoft C17 (Innospec)	0.100
C. Citric Acid (50% Solution)		q.s.
D. Sodium Lauroyl Methyl Isethionate	Iselux® LQ-CLR (Innospec)	25.000
Cocamidopropyl Betaine	Mirataine BET-C30	8.000
PEG-150 Distearate	Promotate 6000-DS	0.400
E. Propoxytetramethyl Piperdinyll Dimethicone (and) Trideceth-6 (and) C11-15 Pareth-7	Microsil® HAF-MV30 (Innospec)	3.000
F. Lauryl Glucoside (and) Stearyl Citrate	Euperlan Green	3.000
G. Benzyl Alcohol (and) Methylchloroisothiazolinone (and) Methylisothiazolinone	Euxyl K100	0.050
H. Fragrance		q.s.
I. Citric Acid (50% Solution)		q.s.
J. Sodium Chloride		q.s.

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Preparation Procedure

1. Add DI Water to main mixing vessel. Begin moderate mixing.
2. With moderate mixing, sprinkle in Activsoft C-17.
3. Add trace amount of citric acid solution to hydrate the Activsoft C-17. The batch will become more clear. Mix until smooth.
4. Start heating to 65°C. Add phase D one at a time. Mix until uniform.
5. Cool batch to 40°C. Add phase E.
6. Mix until batch thickens. Batch will be hazy.
7. Add Euperlan Green (phase F).
8. Add desired preservative and fragrance.
9. Adjust pH using citric acid solution as needed.
10. Adjust viscosity using sodium chloride.

Properties

Appearance @25°C:	pearlized
pH:	5.00-5.50
Stability:	8 weeks at RT, 45°C, 5°C, and 3 freeze/thaw cycles

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