

Instant Foam Apple Cider Vinegar Hair Treatment

Formulation #PC-HT01

Instant Foam Apple Cider Vinegar Hair Treatment is formulated with mild cleansers, conditioners, and apple cider vinegar to promote healthy hair and scalp. This formulation instantly foams when pumped for easy application to cleanse, clarify, and hydrate your hair and scalp.

How to use: Wet hair. Pump the nourishing foam into hands, apply from root to tip, and rinse thoroughly.

Item #	Ingredient	Wt, %	Function	Procedure
1	Water	66.00	Carrier	1. Add water and warm to 40°C. Add Mackernium CC 112 P9 and mix until homogeneous.
2	Mackernium® CC 112 P9 (Isostearamidopropyl Ethyldimonium Ethosulfateand PEG-9)	1.00	Conditioning	
3	Mackamide® AME-100 (Acetamide MEA)	2.00	Conditioning	2. Discontinue heat and add remaining ingredients in the order listed. Mix well between additions. 3. Adjust the pH with citric acid solution to 5.0-7.0.
4	Mackam® CB-35 (Coco-Betaine)	10.00	Coconut Based Cleanser	
5	Mackam® 2C (Disodium Cocoamphodiacetate)	5.00	Coconut Based Cleanser	
6	Mackamine® LA EF (Lauramine Oxide)	10.00	Coconut or Palm Based Cleanser	
7	Phenoxyethanol and Ethylhexylglycerin	1.00	Preservative	
8	Apple Cider Vinegar (filtered) (Water and Acetic Acid)	5.00	Active	
9	Citric Acid, 50% (Water and Citric Acid)	QS	pH adjust	

Appearance: Clear, thin liquid

pH @ 25°C: 4.0-5.0

Viscosity @ 25°C (LVT Spindle #3 @ 12 rpm): <100 cps

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