

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2023

DateRun: 09/14/2023

Experimenters: Amelia Wagner

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Skin

PartType: Coupon

Contaminants: Dirt

Cleaning Methods: Manual Wipe

Analytical Methods: Tactile, Visual

Purpose: To test the efficacy of Green Mountain Ammenitie's foaming hand soap against other hand soaps.

Experimental Procedure: The soil used consisted of 5 grams of Synthetic carpet soil AATCC Test Method 122, 20 ml tap water. The water and soil were mixed together to make a paste. A quarter size amount of soil was applied to a subject's hand. Both hands were then rubbed together to distribute soil to both hands.

Using tap water hands were wetted and apply two pumps of supplied hand soap was applied. The comparative product was used in the same weight range of the supplied product. This was about a half of one full pump. Hands were rubbed together with soap and water for 20 seconds followed by rinsing hands in tap water for 20 seconds. Final step was to wipe or blot hands dry for 20 seconds.

During the evaluation observations were made for cleaning and rinsing. Observations were ranked using the following guidelines:

Observe Cleanliness

Rank Cleanliness

- 1 No signs of soil
- 2 Only in fine lines of hand or Intermittent spots but not in fine lines
- 3 Intermittent spots and in fine lines
- 4 Multiple spots (connected spots)
- 5 Continually covered

Observe Rinsing

Rank Rinsing

- 1 Easy rinsing - no residue
- 2 Easy rinsing - some residue
- 3 Hard rinsing - no residue
- 4 Hard rinsing - some residue
- 5 Hard rinsing - lots of residue

(Easy rising requires very little hand scrubbing. Hard rinsing required lots of scrubbing or extended time to remove all soap residue)

Observe skin condition after clean/rinse/dry at 1, 5, 20 and 60 minutes.

Rank Skin Condition Observation

- 1 Smooth and soft
- 2 Some dryness
- 3 Dry - Hands turning white
- 4 Skin Stiffening
- 5 Very dry - Cracking of skin

Results:	Product	Cleanliness	Rinsing	Skin Condition 1	Skin Condition 5	Skin Condition 20	Skin Condition 60
	Blue Land Foaming Hand Soap	5	4	2	3	3	4

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GMA Foaming Hand Soap	5	4	2	2	2	2
Lunaroma Organic Castile Foaming Hand Soap	4	4	1	2	2	2

Summary:

Conclusion:

GMA Foaming Hand Soap performed comparatively to the comparative products however, none of the products were effective in cleaning the soil from the hands, and all required hard rinsing that left some residue. GMA Foaming Hand Soap caused some hand dryness 5, 20, and 60 minutes after washing.