CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2018
DateRun:	10/17/2018
Experimenters:	Alicia McCarthy
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #4
Substrates:	Skin
PartType:	Part
Contaminants:	Dirt
Cleaning Methods:	Manual Wipe
Analytical Methods:	Visual
Purpose:	To evaluate the face and body wash performance for cleanliness, lathering, and dryness under GS 41 Hand Washing test method.

Experimental Procedure:

Three testers were used to evaluate the supplied products' performance. A preliminary review of the tester's hands was conducted before soiling their hands with GS 41 Hand Washing test soil. 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 the soil to both hands for 20 seconds. The dirtied hands were considered the baseline for the dirtiest cleanliness rating (5).

Two pumps of hand soap were applied to the dirty hands. The hands were rubbed together with soap for 20 seconds and followed by rinsing hands in tap water for 20 seconds. The hands were then blotted dry with paper towels for 20 seconds. Observations were made after cleaning the contaminated hands for cleanliness, lathering/rinsing, and skin condition. Cleanliness and lathering observations were made once and the skin condition was recorded at 1, 5, 20 and 60 minutes.

Observations were ranked using the following guidelines:

Observed 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
5	Continually covered

Observed Lathering/Rinsing

Rank	Lathering/Rinsing
1	Lots of lathering – easy rinsing
2	Some lathering – easy rinsing
3	Some lathering – hard rinsing
4	Little lathering – easy rinsing/ No lathering – easy rinsing
5	No lathering – hard rinsing

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

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

Results:

Cleanliness Ratings

Cleaner	Tester 1	Tester 2	Tester 3	Avg. Cleanliness
	3	2	3	2.7

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AGAE Body Wash				
AGAE Face Wash	3.5	2	5	3.5
Dove Deep Moisture Body Wash	3.5	2	3	2.8
Clean-Clear Morning Burst Face Wash	2	3	3.5	2.8
Dr.Bonner 18-in-1 Hemp Body Wash	2.5	2.5	1.5	2.2
Burt's Bees Daily Facial with Daisy	2.5	1.5	3	2.3

Lathering Ratings

Cleaner	Tester 1	Tester 2	Tester 3	Avg. Lathering
AGAE Body Wash	3	2.5	3	2.8
AGAE Face Wash	3.5	2.5	4	3.3
Dove Deep Moisture Body Wash	3	3	2.5	2.8
Clean-Clear Morning Burst Face Wash	1.5	2.5	4.5	2.8
Dr.Bonner 18-in-1 Hemp Body Wash	2.5	3	1	2.2
Burt's Bees Daily Facial with Daisy	2	1.5	2	1.8

Skin Dryness Ratings

Cleaner	Tester	1 min	5 min	20 min	60 min	Average (60 min.)
AGAE Body Wash	1	2	2.5	2.5	3	3.0
	2	1.5	2	2	1.5	
	3	2	4	4	4.5	
AGAE Face Wash	1	4	3.5	3.5	3.5	3.5
	2	2	2.5	2	2	
	3	3	4	4	5	
Dove Deep Moisture Body Wash	1	1.5	1.5	2	2.5	2.5
	2	1.5	1.5	1.5	1	
	3	2.5	3	4	4	
Clean-Clear Morning Burst Face Wash	1	4	3.5	3.5	3	2.8
	2	2	2	2.5	2	
	3	1.5	3.5	3.5	3.5	
Dr.Bonner 18-in-1 Hemp Body Wash	1	2	2.5	3	3.5	3.2
	2	2.5	3	2.5	2	
	3	2	3	3	4	
Burt's Bees Daily Facial with Daisy	1	2	2.5	3	3	2.7
	2	1	1	1	1	
	3	2	3.5	3.5	4	

Summary:

Substrates:	Skin
Contaminants:	Dirt

CLEANING LABORATORY EVALUATION SUMMARY

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
AGAE Technologies	Body Wash	100	0.00	☑	
AGAE Technologies	Face Wash	100	0.00	☐	
Unilever	Dove Deep Moisture Body Wash	100	0.00	☑	
Johnson & Johnson	Clean & Clear Morning Burst Facial Cleanser	100	0.00	☑	
Dr. Bronner's	Dr. Bonner's 18-in-1 Hemp Pure Castile Soap	100	0.00	☑	
Clorox Company	Burt's Bees Daily Facial with Daisy Extract	100	0.00	☑	

Conclusion: AGAE Technologies Face Wash was not as effective as the comparative products for cleanliness, lathering, and skin dryness.