CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2019
DateRun:	11/24/2019
Experimenters:	Sabrina Apel, Zoe Lawson, Othon Pagounes, Tuan Le, Tatyanna Moreland Junior
ClientType:	Cleaner Manufacturer
ProjectNumber:	Project #1
Substrates:	Skin
PartType:	Coupon
Contaminants:	Dirt
Cleaning Methods:	Manual Wipe
Analytical Methods:	Tactile, Visual
Purpose:	To evaluate the effectiveness of Cleanyst FC Hand Soap against 7th Generation FC Hand Wash on the performance of cleanliness, lathering, and dryness under GS 41 Hand Washing test method.

Experimental Procedure:

Four 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 (20 g synthetic carpet soil AATCC Test Method 122, 100 ml tap water). The water and soil were mixed together to make a paste. A quarter size amount of soil was applied to each subject's hand. Both hands were then rubbed together to distribute the soil to both hands for 20 seconds. The soiled 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. Observations of skin condition was recorded at 1, 5, 20, 60 minutes as well as 24 hours after the conclusion of the test.

Observations were ranked using the following guidelines:

Cleanliness Observation

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

Lathering/Rinsing Observation

Rank	Lathering/Rinsing
1	Lots of lathering
2	Some lathering
3	Some lathering
4	Little lathering
5	No lathering

Skin Condition Observation (1, 5, 20, 60 minutes and 24 hours)

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:

Observed Cleanliness Results:

Cleanliness Ratings					
Cleaner	Tester 1	Tester 2	Tester 3	Tester 4	Avg. Cleanliness
	3	4	4	4	3.75

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Cleanyst FC Hand Soap					
7th Generation FC Hand Wash	1.5	4	2	2	2.38

Observed Lathering Results:

Lathering Ratings					
Cleaner	Tester 1	Tester 2	Tester 3	Tester 4	Avg. Lathering
Cleanyst FC Hand Soap	3	4	3.5	4	3.63
7th Generation FC Hand Wash	2	3	3.5	2	2.63

Observed Skin Condition Results:

Skin Condition Ratings							
Cleaner	Tester	1 min.	5 min.	20 min.	60 min.	Average (60 min.)	24 Hours
Cleanyst FC Hand Soap	1	2	2	2.5	3	2.4	3
	2	2.5	3	3	3	2.9	3
	3	3	3	3.5	3.5	3.3	4
	4	2	2.5	2.5	3	2.5	3
7th Generation FC Hand Wash	1	1.5	1.5	1.5	2	1.6	2.5
	2	2	2	2.5	3	2.4	2.5
	3	1.5	2	3.5	3.5	2.6	3
	4	2	2.5	2.5	2	2.3	3

Summary:

Substrates:	Skin				
Contaminants:	Dirt				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Cleanyst	Cleanyst Free and Clear Hand Soap	100	0.00	☐	not as effective as 7th Generation FC Hand Wash
Seventh Generation	Seventh Generation Hand Soap	100	0.00	☑	

Conclusion:

Cleanyst FC Hand Soap was not as effective as 7th Generation FC Hand Wash for overall cleanliness, lathering, skin condition, and skin dryness.