CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2021
DateRun:	01/12/2022
Experimenters:	Alicia McCarthy, Zoe Lawson, Nicole Kebler
ClientType:	
ProjectNumber:	Project #4
Substrates:	Skin
PartType:	Coupon
Contaminants:	Dirt
Cleaning Methods:	
Analytical Methods:	
Purpose:	To evaluate the effectiveness of Case Medical Skin Cleaner against Basis Cleaner Clean Face 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 (5 g synthetic soil AATCC Test Method 122, 20 ml tap water). The water and soil were mixed together to create a paste. A quarter size amount of soil was applied to each subject's hand. The hands were then 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 were recorded at 1, 5, 20, 60 minutes following 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)

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:

The Skin Cleanser scored a 2.63 for average cleanliness and Basis scored a 2.88; they were comparable. Both cleansers has easy rinsing and scored a 1.75 and 1.5. Hands stayed soft for both cleansers and the Skin Cleanser ranged from a 1.1 to a 2.2, Basis ranged from a 1.4 to 1.9 for skin condition. Both cleaners scored about the same for cleanliness, rinsing, and skin condition.

Cleanliness Ratings					
Cleaner	Tester 1	Tester 2	Tester 3	Tester 4	Avg. Cleanliness
	2	1.5	3	4	2.6

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Case Medical Skin Cleanser					
Basis Face Wash	3.5	2	3	3	2.9

Observed Lathering/Rinsing Results:

Lathering Ratings					
Cleaner	Tester 1	Tester 2	Tester 3	Tester 4	Avg. Lathering
Case Medical Skin Cleanser	1	2	2	2	1.8
Basis Face Wash	1	1	2	2	1.5

Observed Skin Condition Results:

Skin Condition Ratings						
Cleaner	Tester	1 min.	5 min.	20 min.	60 min.	Average
Case Medical Skin Cleanser	1	1.5	1	1	1	1.1
	2	1	1.5	1.5	1	1.4
	3	1.5	1.5	2	2	2
	4	1.5	2	2	1.5	2.2
Basis Face Wash	1	1	1.5	1.5	2	1.4
	2	2	2	2	1.5	1.9
	3	1	1	1	1	1.4
	4	1	1	1.5	1.5	1.8

Summary:

Conclusion: Case Medical Skin Cleanser was as effective as Basis Face Wash for overall cleanliness, lathering, skin condition, and skin dryness.