

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2024  
 DateRun: 08/27/2024  
 Experimenters: Tatyanna Moreland Junior, Alexander Symko, Gabriel Salierno, Cindy McClaughlin  
 ClientType: Cleaning Company  
 ProjectNumber: Project #1  
 Substrates: Skin  
 PartType: Part  
 Contaminants: Dirt  
 Cleaning Methods: Manual Wipe  
 Analytical Methods: Visual

**Purpose:** The purpose of this hand washing test was to evaluate the supplied product for performance following cleaning requirements.

**Experimental Procedure:** The experiment begins with taking pictures of participants initial conditions of their palms. Afterwards synthetic carpet soil diluted with water to form paste (5g/20ml) and a quarter size is placed in the palm of one hand. The participant rubs their palms together for 20 seconds covering their entire palm and fingers and then the participants rinse their hands for 20 seconds with 2 squirts of soap. Afterwards, the participants blot their hands dry for 20 seconds and then air dry for each time after recording their answers for cleanliness, rinsing, and skin conditions. Skin conditions are recorded at 1 minute, 5 minutes, 20 minutes, and 60 minutes after rinsing and drying hands.

Soap A: Consumer Product Partners A74AE Luxury Hand Washing Liquid Soap

Soap B: Mrs. Meyers Clean Dry

Cleanliness Ratings:

- 1 - No signs of soil
- 2- Only in fine lines
- 3- intermittent spots and fine lines
- 4- multiple spots
- 5- continually covered

Rinsing Ratings:

- 1 - easily rinsing, no residue
- 2 - easily rinsing, some residue
- 3 - hard rinsing - no residue
- 4 - hard rinsing - some residue
- 5 - hard rinsing, lots of residue

Observed skin condition at 1, 5, 20, and 60 minutes:

- 1 - smooth and dry
- 2 - some dryness
- 3 - Dry hands, turning white
- 4 - skin stiffening
- 5 - very dry, cracking of skin

Results:

Person	Participant	Soap	Clean	Rinse	1 Minute	5 Minutes	20 Minutes	60 Minutes
A	Gabriel	A	3.5	1	1	1	1.5	1.5
		B	4.5	1	2	2	1.5	1.5
B	Tatyanna	A	4	2	1	1.5	1.5	1.5
		B	4.5	2.5	2	3	3	3
C	Cindy	A	2.5	1	1.5	1.5	1.5	1.5
		B	3	2.5	1.5	1.5	1.5	2
D	Liz	A	3.5	3	1	2	2.5	2.5
		B	1	1	1.5	2	2	2
E	Stephan	A	2.5	1	1.5	1	1	1
		B	3	1.5	2.5	2	2	2
F	Alex	A	4.5	2.5	1	1	1	1
		B	3	2	1.5	2	2	1.5

Summary:

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<b>Substrates:</b>	Skin				
<b>Contaminants:</b>	Dirt				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Consumer Product Partners	A74AE Luxury Hand Washing Liquid Soap	100		<input checked="" type="checkbox"/>	soil removal 3.4 rinsing 1.8
Mrs Myers Clean Day	Mrs. Meyer's Clean Day Lavender Liquid Hand Soap	100		<input checked="" type="checkbox"/>	Clean 3.2 Rinse 1.8

**Conclusion:**

The average clean rating among all 6 participants for product A was 3.4 and for product B 3.2. The average rinse rating among all 6 participants was 1.8 for both products. For each rating of time the average rating of skin condition was between 1 and 1.5. Photographs of each subject's hands before soil, after soiling and after cleaning were taken to document cleaning results.

In summary, product A was comparable in overall performance to the comparative product B.