

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021  
 DateRun: 09/03/2021  
 Experimenters: Alicia McCarthy, Zoe Lawson, Nicole Kebler  
 ClientType:  
 ProjectNumber: Project #1  
 Substrates: Ceramics, Plastic, Chrome  
 PartType: Coupon  
 Contaminants: Soaps  
 Cleaning Methods: Manual Wipe  
 Analytical Methods: Gravimetric, Visual

Purpose: To test the effectiveness of The Pink Stuff on chrome, ceramic, and plastic.

Experimental Procedure: Eighteen pre-weighed coupons, three of each substrate per cleaner, were each contaminated with one gram of bathroom soil (28.6% All-in-one shampoo and conditioner, 21.4% Dry skin lotion, 21.4% Liquid Hand Soap, 14.3% Liquid body wash, 7.2% Deodorant bar soap, 7.1% Water). The dirty weights were recorded after the coupons had dried for 24 hours at room temperature (68 F). Three coupons of the same substrate were aligned into a Single Line Washing Unit (SLW) with The Wypall X60 attached to the cleaning sled. The Wypall X60 reinforced wipe along with the coupons were all sprayed three times with the cleaner and then allowed to soak for 30 seconds. Afterwards the Single Line Washing Unit (SLW) was activated and cleaned for 20 cycles. The clean coupons were all then allowed to dry overnight at room temperature before the final weights were recorded.

Results: Both cleaners were effective for the removal of bathroom soil from all three substrates. The Pink Stuff was 98% effective for chrome, 97% effective for ceramic, and 93% effective for plastic. Lysol Power Bathroom Cleaner (spray) was 94% effective for chrome, 84% effective for ceramic, and 98% effective for plastic.

| Cleaner                              | Substrate | Initial wt. of Cont. | Final wt. of Cont. | Average | Combined Average |
|--------------------------------------|-----------|----------------------|--------------------|---------|------------------|
| The Pink Stuff                       | Chrome    | 0.1136               | 0.0045             | 96.04   | 98.00            |
|                                      |           | 0.1271               | 0.0009             | 99.29   |                  |
|                                      |           | 0.1200               | 0.0016             | 98.67   |                  |
|                                      | Ceramic   | 0.1125               | 0.0009             | 99.20   | 97.01            |
|                                      |           | 0.1302               | 0.0050             | 96.16   |                  |
|                                      |           | 0.1222               | 0.0053             | 95.66   |                  |
|                                      | Plastic   | 0.1081               | 0.0177             | 83.63   | 92.84            |
|                                      |           | 0.1271               | 0.0034             | 97.32   |                  |
|                                      |           | 0.1231               | 0.0030             | 97.56   |                  |
| Lysol Power Bathroom Cleaner (spray) | Chrome    | 0.1193               | 0.0079             | 93.38   | 93.52            |
|                                      |           | 0.1278               | 0.0082             | 93.58   |                  |
|                                      |           | 0.1266               | 0.0081             | 93.60   |                  |
|                                      | Ceramic   | 0.1258               | 0.0018             | 98.57   | 84.46            |
|                                      |           | 0.1078               | 0.0381             | 64.66   |                  |
|                                      |           | 0.1301               | 0.0128             | 90.16   |                  |
|                                      | Plastic   | 0.1222               | 0.0009             | 99.26   | 98.08            |
|                                      |           | 0.1327               | 0.0048             | 96.38   |                  |
|                                      |           | 0.1276               | 0.0018             | 98.59   |                  |

Summary:

| <b>Substrates:</b>   |                                      | Ceramics, Plastic, Chrome |             |                                     |               |
|----------------------|--------------------------------------|---------------------------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b> |                                      | Soaps                     |             |                                     |               |
| Company Name:        | Product Name:                        | Conc.:                    | Efficiency: | Effective:                          | Observations: |
| Star Drops           | The Pink Stuff                       | 100%                      | 96.00       | <input checked="" type="checkbox"/> |               |
| Reckitt Benckiser    | Lysol Power Bathroom Cleaner (Spray) | 100%                      | 92.00       | <input checked="" type="checkbox"/> |               |

Conclusion: Both cleaners were effective for the removal of bathroom soil from all three substrates.