

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021
 DateRun: 06/06/2021
 Experimenters: Ross Goding, Edward Judge
 ClientType: Lab
 ProjectNumber: Project #4
 Substrates: Glass/Quartz, Other, Chrome
 PartType: Coupon
 Contaminants: Glass
 Cleaning Methods: Manual Wipe
 Analytical Methods: Gravimetric, Visual
 Purpose: To test the efficiency of Clorox Bathroom spray on the removal of glass soil from chrome, glass, and mirror substrates.

Experimental Procedure: Initial weights of each substrate (chrome, glass, mirror) were taken and subsequently soiled with 0.5 grams of Glass Soil. The Glass soil was allowed to dry for 24 hours before dirty weights of the coupons were taken. Each substrate was manually wiped using the SLW machine with the Clorox Bathroom cleaner. 2 sprays were added to each wipe and coupon. The SLW unit was used for 20 cycles. Final weights were taken an hour after coupons were cleaned.

| Cleaner | Substrate | Coupon | Initial wt. of contamination | Final wt. of contamination | % Removal | Average % removal | Product removal |
|---------|-----------|--------|------------------------------|----------------------------|-----------|-------------------|-----------------|
| 1 | A | 3 | 0.1045 | 0.0078 | 92.54 | 95.01 | 92.71 |
| | | 8 | 0.2605 | 0.0074 | 97.16 | | |
| | | 24 | 0.1606 | 0.0075 | 95.33 | | |
| | B | 18 | 0.0679 | 0.0005 | 99.26 | 95.80 | |
| | | 16 | 0.2333 | 0.0217 | 90.70 | | |
| | | 45 | 0.102 | 0.0026 | 97.45 | | |
| | C | 12 | 0.0531 | 0.0116 | 78.15 | 87.33 | |
| | | 17 | 0.1025 | 0.009 | 91.22 | | |
| | | 5 | 0.1339 | 0.0099 | 92.61 | | |

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|----------------------|-------------------------------|-----------------------------|--------------------|-------------------------------------|---|--|
| Substrates: | | Glass/Quartz, Other, Chrome | | | | |
| Contaminants: | | Glass | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: | |
| Clorox Company | Disinfecting Bathroom Cleaner | 100% | 92.71 | <input checked="" type="checkbox"/> | Clorox Bathroom Cleaner was effective in the removal of Glass Soil from various substrates. | |

Conclusion: Overall, this product cleaned the Glass soil with an overall removal percentage of 92%. It removed soil from the glass substrate the best with an 96% removal rating. The product itself passes the level in which a product needs to perform as a cleaner which is above an 80% removal rating.