

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2018

DateRun: 12/04/2018

Experimenters: Ted Kearney

ClientType: Cleaner Manufacturer

ProjectNumber: Project #14

Substrates: Glass/Quartz

PartType: Coupon

Contaminants:

Cleaning Methods: Low Pressure Spray

Analytical Methods: Gravimetric

Purpose: To measure amount of cleaner delivered per spray.

Experimental Procedure: Six clean beakers were pre-weighed. The selected cleaner was then held directly above the opening of the beaker and sprayed into each beaker for 2 seconds. The beakers were then reweighed and delivery amounts were calculated.

Results:

Table 1. Beaker & Cleaner Weights

| Cleaner Name | Initial Wt. (g) | Final Wt. (g) | Cleaner Wt. (g) | Average Cleaner Wt. (g) |
|-----------------------|-----------------|---------------|-----------------|-------------------------|
| Jenny Glass Cleaner | 101.1578 | 102.0659 | 0.91 | 0.95 |
| | 99.5196 | 100.3811 | 0.86 | |
| | 100.6718 | 101.7602 | 1.09 | |
| Rejoice Glass Cleaner | 102.25 | 103.90 | 1.65 | 1.82 |
| | 101.05 | 102.75 | 1.7 | |
| | 95.95 | 98.05 | 2.1 | |

Summary:

| | | | | | |
|----------------------|----------------------------------|---------------|--------------------|--------------------------|----------------------|
| Substrates: | Glass/Quartz | | | | |
| Contaminants: | | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Brand Buzz | Brand Buzz Jenny Glass Cleaner | 100% | 0.95 | <input type="checkbox"/> | |
| Brand Buzz | Brand Buzz Rejoice Glass Cleaner | 100% | 1.82 | <input type="checkbox"/> | |

Conclusion:

Both systems did not deliver cleaner at similar rates. Jenny Glass Cleaner's average cleaner weight delivered almost 1 gram less (0.95g) when sprayed for 2 seconds when compared to Rejoice Glass Cleaner's average cleaner weight of 1.82g when sprayed for 2 seconds.