

# 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:**

|                      |                                  |               |                    |                          |                      |  |
|----------------------|----------------------------------|---------------|--------------------|--------------------------|----------------------|--|
| <b>Substrates:</b>   |                                  | Glass/Quartz  |                    |                          |                      |  |
| <b>Contaminants:</b> |                                  |               |                    |                          |                      |  |
| <b>Company Name:</b> | <b>Product Name:</b>             | <b>Conc.:</b> | <b>Efficiency:</b> | <b>Effective:</b>        | <b>Observations:</b> |  |
| 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.