

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 03/06/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Abrasive

Cleaning Methods: Ultrasonics

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.  
Degasifying: 5 min. in ultrasonic crest at 120 F  
Cleaning: 2 min. with ultrasonic agitation at 120 F  
Rinsing: 1/2 min. manual with water at 120 F  
Drying: 1 min. with heat gun at 500 F

## Results:

### Summary:

| <b>Substrates:</b>                | Stainless Steel        |        |             |                                     |               |
|-----------------------------------|------------------------|--------|-------------|-------------------------------------|---------------|
| <b>Contaminants:</b>              | Abrasive               |        |             |                                     |               |
| Company Name:                     | Product Name:          | Conc.: | Efficiency: | Effective:                          | Observations: |
| United Laboratories International | United 450 All Clear   | 5      | 100.78      | <input checked="" type="checkbox"/> |               |
| EnviroSan Products Ltd            | Solution 2000          | 5      | 91.39       | <input checked="" type="checkbox"/> |               |
| CRC Industries                    | Complex Blue           | 5      | 98.64       | <input checked="" type="checkbox"/> |               |
| Heatbath Corporation              | Alu-Kleen 36           | 5      | 98.67       | <input checked="" type="checkbox"/> |               |
| Heatbath Corporation              | Power Wash Cleaner BCR | 5      | 106.18      | <input type="checkbox"/>            |               |
| Magnaflux                         | Daraclean 200          | 5      | 89.12       | <input checked="" type="checkbox"/> |               |

Conclusion: All cleaners were effective.