

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:

| Substrates: | Stainless Steel | | | | |
|-----------------------------------|------------------------|--------|-------------|-------------------------------------|---------------|
| Contaminants: | 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.