

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/15/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Oil

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.
 Degasing: Cleaners were kept in ultrasonic crest for 5 min. at 120 F.
 Cleaning : 2 min. in ultrasonic crest at 120 F.
 Rinsing :1/2 min immersion cleaning at 120 F in water.
 Drying :1 min. with heat gun at 500 F.

Results:

Summary:

| | | | | | | |
|----------------------|---|-----------------|--------------------|-------------------------------------|----------------------|--|
| Substrates: | | Stainless Steel | | | | |
| Contaminants: | | Oil | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: | |
| Simple Green | Crystal Simple Green Industrial Cleaner & Degreaser | 5 | 98.26 | <input checked="" type="checkbox"/> | | |
| Calgon Corporation | Geo Guard 2000 | 5 | 89.44 | <input checked="" type="checkbox"/> | | |
| Calgon Corporation | GP Xtra | 5 | 100.37 | <input checked="" type="checkbox"/> | | |
| PCI of America | Hurrisafe 9450 | 5 | 96.11 | <input checked="" type="checkbox"/> | | |
| Brulin Corporation | Nature Sol 100 | 5 | 100.06 | <input checked="" type="checkbox"/> | | |
| AW Chesterton | 181 Low Alkaline Cleaner | 5 | 96.38 | <input checked="" type="checkbox"/> | | |

Conclusion: All cleaners were effective.