

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/07/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Lubricating/Lapping Oils

Cleaning Methods: Immersion/Soak

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.
Cleaning : 5 min. immersion at 120 F with stir-bar agitation.
Rinsing : 1/2 min manual at 120 F .
Drying : 1 min with heat gun at 500 F
Contaminant :ELF Lubricants- Nevastone Safeguard 6-Lubricating oil.
Cas No: 64742-47-8, 8042-47-5, 9003-29-6.

Results:

Summary:

| Substrates: | | Stainless Steel | | | | |
|----------------------|---|--------------------------|-------------|-------------------------------------|---------------|--|
| Contaminants: | | Lubricating/Lapping Oils | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: | |
| Simple Green | Crystal Simple Green Industrial Cleaner & Degreaser | 5 | 98.64 | <input checked="" type="checkbox"/> | | |
| Calgon Corporation | Geo Guard 2000 | 5 | 89.89 | <input checked="" type="checkbox"/> | | |
| Calgon Corporation | GP Xtra | 5 | 97.79 | <input checked="" type="checkbox"/> | | |
| Brulin Corporation | Nature Sol 100 | 5 | 99.45 | <input checked="" type="checkbox"/> | | |
| PCI of America | Hurrisafe 9450 | 5 | 97.68 | <input checked="" type="checkbox"/> | | |
| AW Chesterton | 181 Low Alkaline Cleaner | 5 | 97.32 | <input type="checkbox"/> | | |

Conclusion: All cleaners worked.