

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 02/05/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

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 cleaning with stir-bar agitation @ 120 F
Rinsing: 1/2 min, manual, in 120 F water (tap)
Drying: 1 min with heat gun @ 500F
Contaminant: Magnum Teflon Lubricant (LPS)
CAS# 64742-96-7, 64742-65-0, 68602-85-7, 58755-77-3, 124-38-9

Results:

Summary:

| Substrates: | | Aluminum | | | | |
|------------------------------------|---|--------------------------|-------------|-------------------------------------|---------------|--|
| Contaminants: | | Lubricating/Lapping Oils | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: | |
| Ashland Specialty Chemical Company | Perchloroethylene | 5 | 88.83 | <input checked="" type="checkbox"/> | | |
| Brulin Corporation | Airshow W | 5 | 83.91 | <input type="checkbox"/> | | |
| BioGenesis Enterprises Inc | BG Solv 717 Ink & Graffiti Cleaner | 100 | 100.17 | <input checked="" type="checkbox"/> | | |
| Gemtek Products | SC EZ Solv Safety Solvent | 100 | 94.43 | <input checked="" type="checkbox"/> | | |
| CRC Industries | HydroForce Butyl-Free All Purpose Cleaner | 100 | 98.02 | <input checked="" type="checkbox"/> | | |
| Buckeye International | Work Out | 100 | 99.31 | <input checked="" type="checkbox"/> | | |

Conclusion: