

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 09/05/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

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 @ 68 F, ambient
Rinsing: 1/2 min, manual, in 68F water (tap), ambient
Drying: 1 min with heat gun @ 500F
Contaminant: Steco Corp, Tap Magic Protap (cutting fluid)
CAS# 112-80-1(>75%) Aliphatic organic acid 112-62-9 (<15%) Aliphatic organic ester

Results:

Summary:

| Substrates: | | Stainless Steel | | | |
|---------------------------|----------------------------------|------------------------|-------------|-------------------------------------|---------------|
| Contaminants: | | Cutting/Tapping Fluids | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| EcoLink | Bulldog | 5 | 91.32 | <input checked="" type="checkbox"/> | |
| Innovative Organics Inc | Amberclean Q3 | 5 | 92.00 | <input checked="" type="checkbox"/> | |
| AG Environmental Products | Soy Clear 1500 | 100 | 84.80 | <input type="checkbox"/> | |
| AG Environmental Products | Canola Gold CE110 | 100 | 87.57 | <input checked="" type="checkbox"/> | |
| Phase III Inc | California Parts Washer Solution | 5 | 85.41 | <input checked="" type="checkbox"/> | |
| PCI of America | Hurrisafe 9575 | 5 | 90.02 | <input checked="" type="checkbox"/> | |

Conclusion: