

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/09/2002

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 @ 120 F
Rinsing: 1/2 min, manual, in 102 F water (tap)
Drying : 1 min with heatg un @ 500F
Contaminant: Steco Corp, Tap Magic Protap (cutting Fluid)
CAS# 112-80-1

Results: Grease Off 2: First run came up with varied results, 138%, 38% & 92%. Re-ran trial with same coupons. Better results of 97%, 96.5% & 98%

Summary:

| Substrates: | | Stainless Steel | | | |
|------------------------------------|-------------------------------|------------------------|-------------|-------------------------------------|---------------|
| Contaminants: | | Cutting/Tapping Fluids | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Kleer Flo Company | Grease Off 2 | 5 | 97.02 | <input type="checkbox"/> | |
| Valtech Corporation | Valtron SP 2201 | 5 | 98.91 | <input checked="" type="checkbox"/> | |
| Valtech Corporation | Valtron SP 2200 | 5 | 98.48 | <input checked="" type="checkbox"/> | |
| Permatex Industrial Corporation | Natural Blue | 5 | 99.27 | <input checked="" type="checkbox"/> | |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | 98.22 | <input checked="" type="checkbox"/> | |
| US Polychem Corporation | Polychem PW 147 | 5 | 99.76 | <input checked="" type="checkbox"/> | |

Conclusion: All cleaners were effective (> 96%)