

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/14/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Coatings

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 heat gun @ 500F
Contaminant: Emerson & Cumming EccoCoat Cc 40 A Conductive coating, CAS# 7440-22-4, 108-88-3, thermo plastic resin

Results:

Summary:

| | | | | | |
|---------------------------|---------------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Stainless Steel | | | | |
| Contaminants: | Coatings | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Metabolix Inc | Metabolix E3HB | 100 | -12.70 | <input type="checkbox"/> | |
| Florida Chemical Company | Citrus Burst 7 | 100 | 42.93 | <input checked="" type="checkbox"/> | |
| Florida Chemical Company | D-Limonene | 100 | -11.94 | <input checked="" type="checkbox"/> | |
| Twin Rivers Technologies | Methyl Ester 1618 | 10 | 6.04 | <input checked="" type="checkbox"/> | |
| AG Environmental Products | Canola Gold CE110 | 100 | -149.33 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Clear 1500 | 100 | -92.05 | <input type="checkbox"/> | |
| Vertec BioSolvents | Take Off Green | 100 | -96.88 | <input type="checkbox"/> | |
| Vertec BioSolvents | VertecBio Gold Unscented Part Cleaner | 100 | 12.05 | <input type="checkbox"/> | |
| Pentone Corporation | Citrikleen XPC | 100 | 97.90 | <input checked="" type="checkbox"/> | |

Conclusion: