

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/01/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Inks

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: 30 seconds air blow off, 68 F
Contaminant: Sheetfeed Offset Inks Super Tech Dense Black AD 2340

Results:

Summary:

| Substrates: | Aluminum | | | | |
|-----------------------------------|---------------------------------------|--------|-------------|-------------------------------------|---------------|
| Contaminants: | Inks | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Florida Chemical Company | Citrus Burst 7 | 100 | 95.54 | <input checked="" type="checkbox"/> | |
| Florida Chemical Company | D-Limonene | 100 | 99.95 | <input checked="" type="checkbox"/> | |
| Brulin Corporation | Nature Sol 100 | 100 | 100.17 | <input checked="" type="checkbox"/> | |
| Twin Rivers Technologies | Methyl Ester 1618 | 100 | -59.85 | <input type="checkbox"/> | |
| AG Environmental Products | Canola Gold CE110 | 100 | 44.24 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Gold 1000 | 100 | 52.59 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Gold 2000 | 100 | 49.13 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Clear 1500 | 100 | 68.25 | <input type="checkbox"/> | |
| United Laboratories International | United 2002 Harvest Gold | 100 | 68.71 | <input type="checkbox"/> | |
| Vertec BioSolvents | VertecBio Gold Unscented Part Cleaner | 100 | 50.10 | <input type="checkbox"/> | |
| EcoLink | Vortex | 100 | 99.91 | <input type="checkbox"/> | |
| Finger Lakes Chemical | 2-22 D Limonene Industrial Cleaner | 100 | 13.11 | <input type="checkbox"/> | |

Conclusion: