

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/31/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Brass

PartType: Coupon

Contaminants: Buffing/Polishing Compounds

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
Drying: Wiping
Contaminant: Buffing compound, Jackson Lea Antique buffing compound CAS# 9000-70-8, 1344-28-4, 409-21-2, 1309-37-1

Results:

Summary:

| Substrates: | | Brass | | | |
|---------------------------|-------------------|-----------------------------|-------------|--------------------------|-------------------------------------------|
| Contaminants: | | Buffing/Polishing Compounds | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Metabolix Inc | Metabolix E3HB | 100 | 16.80 | <input type="checkbox"/> | Wiping increased efficiency by almost 15% |
| Twin Rivers Technologies | Methyl Ester 1618 | 100 | -1.82 | <input type="checkbox"/> | |
| AG Environmental Products | Canola Gold CE110 | 100 | -2.42 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Clear 1500 | 100 | -1.10 | <input type="checkbox"/> | |
| Vertec BioSolvents | Take Off Green | 100 | 17.25 | <input type="checkbox"/> | |

Conclusion: