

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/27/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Fluxes

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: Kester Solder 1544 Rosin Flux 64-17-5, 78-92-2, 8050-09-7

Results:

Summary:

| | | | | | |
|-----------------------------------|---------------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Stainless Steel | | | | |
| Contaminants: | Fluxes | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Bio Chem Systems | Bio T 300 B | 100 | 100.82 | <input checked="" type="checkbox"/> | |
| Bio Chem Systems | Bio T Max | 100 | 98.11 | <input checked="" type="checkbox"/> | |
| AG Environmental Products | Canola Gold CE110 | 100 | 100.71 | <input checked="" type="checkbox"/> | |
| AG Environmental Products | Soy Gold 1000 | 100 | 89.53 | <input checked="" type="checkbox"/> | |
| AG Environmental Products | Soy Gold 2000 | 100 | 78.48 | <input type="checkbox"/> | |
| AG Environmental Products | Soy Clear 1500 | 100 | 81.91 | <input type="checkbox"/> | |
| United Laboratories International | United 2002 Harvest Gold | 100 | 88.96 | <input checked="" type="checkbox"/> | |
| Vertec BioSolvents | VertecBio Gold Unscented Part Cleaner | 100 | 46.27 | <input type="checkbox"/> | |
| Pentone Corporation | Citrikleen XPC | 100 | 100.78 | <input checked="" type="checkbox"/> | |
| Inland Technologies Inc | Citrasafe | 100 | 100.42 | <input checked="" type="checkbox"/> | |

Conclusion: