

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 11/10/2000

Experimenters: John Brunelle

ClientType: Lab

ProjectNumber: Project #1

Substrates: Alloys, Brass, Copper, Nickel, Stainless Steel

PartType: Coupon

Contaminants: Adhesive, Fluxes, Greases, Lubricating/Lapping Oils

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.
Laboratory evaluation.
Contaminant: Adhesive Acrylic Sealant 5504, CAS: 108-88-3, 141-78-6, 142-82-5, 67-63-0
Grease, KSL 111, CAS: 64742-47-8
Lubricant, Fluorocarbon Release, CAS: 79070-11-4
Flux, Kester 1544 Rosin, CAS: 64-17-5, 78-92-2, 8050-09-7

Results:

Summary:

| Substrates: | Alloys, Brass, Copper, Nickel, Stainless Steel | | | | |
|------------------------------------|---|--------|-------------|-------------------------------------|---------------|
| Contaminants: | Adhesive, Fluxes, Greases, Lubricating/Lapping Oils | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | 45.17 | <input type="checkbox"/> | grease |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | 87.36 | <input checked="" type="checkbox"/> | flux |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | -207.40 | <input type="checkbox"/> | adhesive |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | 19.14 | <input type="checkbox"/> | lubricant |
| International Products Corporation | Surface Cleanse Concentrated Neutral 930 | 5 | 51.39 | <input type="checkbox"/> | grease |
| International Products Corporation | Surface Cleanse Concentrated Neutral 930 | 5 | 33.78 | <input type="checkbox"/> | flux |
| International Products Corporation | Surface Cleanse Concentrated Neutral 930 | 5 | -162.34 | <input type="checkbox"/> | adhesive |
| International Products Corporation | Surface Cleanse Concentrated Neutral 930 | 5 | -19.14 | <input type="checkbox"/> | lubricant |
| International Products Corporation | Zymit | 5 | 66.47 | <input type="checkbox"/> | grease |
| International Products Corporation | Zymit | 5 | 1.04 | <input type="checkbox"/> | flux |
| International Products Corporation | Zymit | 5 | -10.10 | <input type="checkbox"/> | lubricant |
| International Products Corporation | Zymit | 5 | -139.00 | <input type="checkbox"/> | adhesive |
| Gemtek Products | SC Odor Ex | 10 | 87.81 | <input checked="" type="checkbox"/> | grease |
| Gemtek Products | SC Odor Ex | 10 | 16.33 | <input type="checkbox"/> | flux |
| Gemtek Products | SC Odor Ex | 10 | 7.81 | <input type="checkbox"/> | lubricant |
| Gemtek Products | SC Odor Ex | 10 | -3.57 | <input type="checkbox"/> | adhesive |

Conclusion: