

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 07/12/2000

Experimenters: John Brunelle

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum, Brass, Copper, Nickel, Plastic, Stainless Steel

PartType: Coupon

Contaminants: Adhesive, Fluxes, Greases, Inks, Oil

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
Flux, Ersin 5381 RMA
Grease, CAS: 64742-47-8
Ink, CAS: 67-63-0, 108-88-3, 9004-70-0, 109-60-4, 141-78-6, 64-17-5
Oil, CAS: 64741-89-5, 8052-42-4

Results:

Summary:

| | | | | | |
|----------------------|----------------------|---|--------------------|-------------------------------------|----------------------|
| Substrates: | | Aluminum, Brass, Copper, Nickel, Plastic, Stainless Steel | | | |
| Contaminants: | | Adhesive, Fluxes, Greases, Inks, Oil | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Today & Beyond | Beyond 2005 | 5 | 2.18 | <input type="checkbox"/> | ink |
| Today & Beyond | Beyond 2005 | 5 | 96.38 | <input checked="" type="checkbox"/> | flux |
| Today & Beyond | Beyond 2005 | 5 | 31.07 | <input type="checkbox"/> | grease |
| Today & Beyond | Beyond 2005 | 5 | 93.14 | <input checked="" type="checkbox"/> | oil |
| Today & Beyond | Beyond 2005 | 5 | -58.87 | <input type="checkbox"/> | adhesive |
| Today & Beyond | Beyond 2006 | 5 | -13.98 | <input type="checkbox"/> | ink |
| Today & Beyond | Beyond 2006 | 5 | 50.77 | <input type="checkbox"/> | flux |
| Today & Beyond | Beyond 2006 | 5 | 34.14 | <input type="checkbox"/> | grease |
| Today & Beyond | Beyond 2006 | 5 | 78.90 | <input type="checkbox"/> | oil |
| Today & Beyond | Beyond 2006 | 5 | -76.50 | <input type="checkbox"/> | adhesive |
| Today & Beyond | Beyond 2007 | 5 | 31.99 | <input type="checkbox"/> | ink |
| Today & Beyond | Beyond 2007 | 5 | 21.85 | <input type="checkbox"/> | flux |
| Today & Beyond | Beyond 2007 | 5 | 43.77 | <input type="checkbox"/> | grease |
| Today & Beyond | Beyond 2007 | 5 | 67.33 | <input type="checkbox"/> | oil |
| Today & Beyond | Beyond 2007 | 5 | -17.22 | <input type="checkbox"/> | adhesive |
| Today & Beyond | Beyond 2009 | 100 | 65.22 | <input type="checkbox"/> | ink |
| Today & Beyond | Beyond 2009 | 100 | 98.70 | <input checked="" type="checkbox"/> | flux |
| Today & Beyond | Beyond 2009 | 100 | 75.79 | <input type="checkbox"/> | grease |
| Today & Beyond | Beyond 2009 | 100 | 95.44 | <input checked="" type="checkbox"/> | oil |
| Today & Beyond | Beyond 2009 | 100 | -15.09 | <input type="checkbox"/> | adhesive |

Conclusion: