

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000
 DateRun: 03/23/2000
 Experimenters: Nicole Vayo, John Brunelle
 ClientType: Lab
 ProjectNumber: Project #1
 Substrates: Aluminum, Brass, Copper, Nickel, Stainless Steel
 PartType: Coupon
 Contaminants: Greases, Inks, Lubricating/Lapping Oils, 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: Grease, CAS: 64742-47-8
 Oil, CAS: 64741-89-5, 8052-42-4
 Lubricant, CAS: 8052-42-4, 64742-57-0, 64742-62-7
 Ink, CAS: 67-63-0, 108-88-3, 9004-70-0, 109-60-4, 141-78-6, 64-17-5

Results:

Summary:

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|------------------------------------|--|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Aluminum, Brass, Copper, Nickel, Stainless Steel | | | | |
| Contaminants: | Greases, Inks, Lubricating/Lapping Oils, Oil | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Innovative Organics Inc | Amberclean L 12 | 5 | 95.70 | <input checked="" type="checkbox"/> | grease |
| Innovative Organics Inc | Amberclean L 12 | 5 | 98.35 | <input checked="" type="checkbox"/> | oil |
| Magnaflux | Daraclean 212 | 5 | 87.20 | <input checked="" type="checkbox"/> | grease |
| Magnaflux | Daraclean 212 | 5 | 97.70 | <input checked="" type="checkbox"/> | oil |
| Magnaflux | Daraclean 212 | 5 | -37.30 | <input type="checkbox"/> | lubricant |
| Magnaflux | Daraclean 212 | 5 | 32.30 | <input type="checkbox"/> | ink |
| Man Gill Chemical Company | Gillite 0650 Cl | 5 | 98.15 | <input checked="" type="checkbox"/> | oil |
| Man Gill Chemical Company | Gillite 0650 Cl | 5 | 1.60 | <input type="checkbox"/> | ink |
| International Products Corporation | Micro 90 Conc. | 5 | 113.50 | <input type="checkbox"/> | grease |
| International Products Corporation | Micro 90 Conc. | 5 | 99.15 | <input checked="" type="checkbox"/> | oil |
| International Products Corporation | Micro 90 Conc. | 5 | 32.25 | <input type="checkbox"/> | lubricant |
| International Products Corporation | Micro 90 Conc. | 5 | -39.90 | <input type="checkbox"/> | ink |

Conclusion: