

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 08/16/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Inks

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 @ Room Temp 68 F
Rinsing: 1/2 min, manual, in 68 F water (tap)
Drying: 1 min with heat gun @ 500F
Contaminant: ITW, Dykem Corp, Ink, Steel Blue - DX - 100
CAS#'s 64175, 123864, 71363, 9004700, 67630, 8004873

Results:

Summary:

| Substrates: | | Stainless Steel | | | | |
|---------------------------|-----------------------|-----------------|-------------|-------------------------------------|---------------|--|
| Contaminants: | | Inks | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: | |
| Oakite Products | Inproclean 3800 | 50 | 1.37 | <input type="checkbox"/> | | |
| Magnaflux | Daraclean 121 | 50 | 4.10 | <input type="checkbox"/> | | |
| AG Environmental Products | Soy Gold 2000 | 100 | -49.43 | <input type="checkbox"/> | | |
| EcoLink | Safe Strip | 100 | 101.33 | <input checked="" type="checkbox"/> | | |
| Savogran Company | SI #4 Coating Remover | 100 | 100.08 | <input checked="" type="checkbox"/> | | |
| Bio Chem Systems | Bio T Max | 100 | 37.52 | <input type="checkbox"/> | | |

Conclusion:

Two products were effective of the * tested, Ecolink Safestrip and Savogran SI# 4. They were 101.33 & 100.08 % effective respectively. The SI#4 is very thick and was not able to be stirred at 100% with a stir-bar and needed more than just manual rinse. It should either be a wipe or a spray rinse. There were also 3 products that added weight to the coupons, 2 significant weights: Soygold 2000 & ME 1612.