# CLEANING LABORATORY EVALUATION SUMMARY

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| SCL #: | 2002 |
| DateRun: | 01/08/2002 |
| Experimenters: | Heidi Wilcox |
| ClientType: | Lab |
| ProjectNumber: | Project #1 |
| Substrates: | Stainless Steel |
| PartType: | Coupon |
| Contaminants: | Cutting/Tapping Fluids |
| 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.<br>Cleaning: 5 min Immersion cleaning with stir-bar agitation @ 120 F<br>Rinsing: 1/2 min, manual, in 102 F water (tap)<br>Drying : 1 min with heatg un @ 500F<br>Contaminant: Steco Corp, Tap Magic Protap ( cutting Fluid )<br>CAS# 112-80-1 |
| Results: | Grease Off 2: First run came up with varied results, 138%, 38% & 92%. Re-ran trial with same coupons. Better results of 97%, 96.5% & 98% |

Summary:

| **Substrates:** | Stainless Steel | | | | |
|---|---|---|---|---|---|
| **Contaminants:** | Cutting/Tapping Fluids | | | | |
| **Company Name:** | **Product Name:** | **Conc.:** | **Efficiency:** | **Effective:** | **Observations:** |
| Kleer Flo Company | Grease Off 2 | 5 | 97.02 | ☐ | |
| Valtech Corporation | Valtron SP 2201 | 5 | 98.91 | ☑ | |
| Valtech Corporation | Valtron SP 2200 | 5 | 98.48 | ☑ | |
| Permatex Industrial Corporation | Natural Blue | 5 | 99.27 | ☑ | |
| International Products Corporation | LF 2100 (Liquid Foam Cleaner) | 5 | 98.22 | ☑ | |
| US Polychem Corporation | Polychem PW 147 | 5 | 99.76 | ☑ | |

Conclusion: All cleaners were effective (> 96%)