

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004  
 DateRun: 07/07/2004  
 Experimenters: Heidi Wilcox  
 ClientType: Lab  
 ProjectNumber: Project #1  
 Substrates: Sterling/Silver  
 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.  
 Cleaning: 5 min. immersion cleaning at 96 F with stir-bar agitation.  
 NO Rinsing  
 Drying: 30 sec. Air blow off using hose  
 Contaminant: Cutting Fluid - Houghton Intentional Cut -Max Cas# 64742-52-5, 64741-96-4  
 Substrate 2 "

**Results:**

**Summary:**

|                      |                                 |               |                    |                                     |                      |
|----------------------|---------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| <b>Substrates:</b>   | Sterling/Silver                 |               |                    |                                     |                      |
| <b>Contaminants:</b> | Cutting/Tapping Fluids          |               |                    |                                     |                      |
| <b>Company Name:</b> | <b>Product Name:</b>            | <b>Conc.:</b> | <b>Efficiency:</b> | <b>Effective:</b>                   | <b>Observations:</b> |
| Petroferm Inc        | Lenium CP (no longer available) | 100           | 99.51              | <input checked="" type="checkbox"/> |                      |
| Petroferm Inc        | Lenium ES                       | 100           | 99.75              | <input checked="" type="checkbox"/> |                      |
| Invista S.a.r.l      | Flexisolv DBE 6 ester           | 100           | 100.17             | <input checked="" type="checkbox"/> |                      |

**Conclusion:** All cleaners were effective.