

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998  
DateRun: 11/03/1998  
Experimenters: Jason Marshall  
ClientType: Name Plate Mfg-Etching  
ProjectNumber: Project #1  
Substrates: Aluminum  
PartType: Part  
Contaminants: Films, Soaps  
Cleaning Methods: Immersion/Soak  
Analytical Methods: Tactile

Purpose: To find a cleaning solution that could remove the Soy Gold film.

Experimental Procedure: Three chemistries were tested at 5% concentrations. Each chemistry was heated to 100 F on a hot plate. Samples were put into each cleaner for 1 minute using a manual agitation (moving coupon back and forth in beaker). Samples were removed and rinsed in tap water at room temperature. Parts were dried using a Master Appliance Corp. Hot-air gun model HG-301A. Samples were observed for any remaining residue by touching the surface.  
SUBSTRATE MATERIAL: Aluminum Name plates.  
CONTAMINANTS: AG Environmental Soy Gold 2000.

Results: The amount of residue remaining on the coupons was far less than without the aqueous cleaner rinsing, but there was a definite film left on the surface.

Summary:

<b>Substrates:</b>		Aluminum				
<b>Contaminants:</b>		Films, Soaps				
<b>Company Name:</b>		<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Alconox Inc		Luminox	5		<input checked="" type="checkbox"/>	
Magnaflux		Daraclean 232	5		<input checked="" type="checkbox"/>	
Watson Technical Associates		Low Foam Washer Detergent	5		<input checked="" type="checkbox"/>	

Conclusion: Additional testing will be conducted using a diluted Soy Gold Solution along with other aqueous cleaners and rinse aids.