

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 03/13/2002

Experimenters: Purav Dave

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids, Lubricating/Lapping Oils, Waxes

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 120 F with stir-bar agitation  
Rinsing: 1/2 min. manual with water at 120 F.  
Drying: Left for air drying for 17 hours  
Contaminant:  
1. Paraffin wax: Stevenson Bro & Co. Inc. - Petroleum wax  
2. Citco cutting oil NC 425  
Cas #: 64742-65-0, 64741-88-4, 64741-89-5, 64742-54-7  
3. Lubricating Oil: Nevastane Safeguard-6: ELF Lubricants  
Cas #: 64742-47-8, 8042-47-5, 9003-29-6

## Results:

### Summary:

Substrates:	Stainless Steel					
Contaminants:	Cutting/Tapping Fluids, Lubricating/Lapping Oils, Waxes					
Company Name:		Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Chemical Technologies		Green Thunder	5	0.01	<input type="checkbox"/>	Contaminant: Wax
CRC Industries		Complex Blue	5	0.01	<input type="checkbox"/>	Contaminant: Wax
AJ Associates		Dynadet	100	-4.88	<input type="checkbox"/>	Contaminant: Wax
United Laboratories International		United 450 All Clear	5	0.51	<input type="checkbox"/>	Contaminant: Wax
AJ Associates		Dynadet	100	98.05	<input checked="" type="checkbox"/>	Contaminant: Cutting Oil
Tarksol Inc		Tarksol HTF 60	100	96.51	<input type="checkbox"/>	Contaminant: Lubricating oil
AJ Associates		Dynadet	100	98.26	<input checked="" type="checkbox"/>	Contaminant: Lubricating oil

### Conclusion: