

## **CLEANING LABORATORY EVALUATION SUMMARY**

SCL #:	1998									
DateRun:	10/01/1998									
Experimenters:	Jason Marshall									
ClientType:	Name Plate Mfg-Etching									
ProjectNumber:	Project #1									
Substrates:	Aluminum									
PartType:	Part									
Contaminants:	None									
Cleaning Methods:	Immersion/Soak									
Analytical Methods:	Gravimetric, Visual, Wipe									
Purpose:	To determine compatibility of new cleaning product with surface paint.									
Experimental Procedure:	Initial weights of 3 customer-supplied coupons were recorded. The cleaning solution was used at 100% solution and room temperature. Three coupons were placed in each cleaning chemistry. After soaking for 24 hours, the coupons were removed from the cleaner, rinsed in tap water at 120 oF and wiped dry with a white paper towel. Observations were made during the wiping to determine if any of the paint was removed. SUBSTRATE MATERIAL: Aluminum 3003 with paint (not to be removed) CONTAMINANTS: None									
Results:	Soy Gold 2000 showed no signs of removing the paint from the coupons. Since the product was rinsable in water, there were not as slick as the coupons soaked in Soy Gold 1000 (from 98-676-04-4). The gravimetric analysis in Table 1 shows that there was some weight increase for each of the 3 coupons. Table 1 Gravimetric Analysis									
	Initial 1	11.1853	11.2946	11.52	3411.3361	0.175	3			
	Final	11.202	11.2989	11.53	4411.3451	0.170	9			
	Weight Gain	0.0153	0.0036	0.005	2 0.00803	0.0063	34			
	% Increase	0.1368	0.0319	0.045	1 0.0713	0.057	13			
	The two Soy Gold products tested yielded similar results in weight gain and increase in weights. Table 2. Comparison of Soy Gold 1000 & 2000									
	Average Values Soy G			1000	0 Soy Gold 2000					
	Weight Gain (g)		0.008	0.00857		0.008				
	% Increase		0.07	53	0.0713					
Summary:	Substrates: Aluminum									
	Contaminants: None									
	Company Name:				Product Name:		Conc.:	Efficiency:	Effective:	Observations:
	AG Environmental Products				by Gold 20	00	100		1	
Conclusion:	Soy Gold 2000 was proven to be compatible with the paint on the client supplied coupons. The next test									

will be to compare the cleaning efficiencies of the Soy Gold products on the new contaminant solution.