CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2008

DateRun: 05/21/2008

Experimenters: Ephraim Massawe

ClientType: Lab

ProjectNumber: Project #1

Substrates: Aluminum

PartType: Coupon

Contaminants: Coatings

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: to remove clear tex d from the surfaces of aluminum

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.

Products were based on the compatibility of substrate and removal of foreign substance. Used 5% concentration and heated the samples at 135F. The coupons were immersed in a product for 5 minutes, rinsed for 30 seconds in tap water at 120F and dried in 30 seconds.

Results:

Cleaner	Initial wt	Final wt	% Removed
sea wash blue			
	0.4890	0.0460	90.59
	0.5553	0.0316	94.31
	0.5031	0.0292	94.20
california parts washer			
	0.8006	0.0240	97.00
	0.5199	0.0150	97.11
	0.5069	0.0444	91.24
ozzy juice sw3			
	0.4864	0.0379	92.21
	0.4085	0.0243	94.05
	0.5412	0.0397	92.66
ozzy juice sw1			
	0.4936	0.0278	94.38
	0.4751	0.0301	93.66
	0.7236	0.0306	95.77
nab 9000			
	0.6470	0.0215	96.68
	0.5802	0.0315	94.57
	0.5980	0.0398	93.34
valtron sp2275			
	0.5261	0.0324	93.84
	0.4683	0.0295	93.70
	0.3928	0.0114	97.10

Summary:

Substrates:	Aluminum
Contaminants:	Coatings

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Warren Chemical Company	Sea Wash Blue	5	93.03	☑	
Phase III Inc	California Parts Washer Solution	5	95.15	☑	
Chem Free Corporation	SW-3 Ozzy Juice (Improved Low Odor)	5	92.97	☑	
Chem Free Corporation	SW-1 Ozzy Juice	5	94.60	☑	
	NAB 9000	5	94.86	☑	

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North Atlantic Bio Industries					
Valtech Corporation	Valtron SP 2275	5	94.88	☑	

Conclusion: All products tested surpassed our removal rate of 85%.