CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2006

DateRun: 11/06/2006

Experimenters: Jason Marshall, Heidi Wilcox

ClientType: Metal Finishing

ProjectNumber: Project #1

Substrates: Plastic

PartType: Part

Contaminants: Buffing/Polishing Compounds

Cleaning Methods: Immersion/Soak

Analytical Methods: Visual

Purpose: To evaluate selected cleaners on supplied parts using immersion cleaning followed by spray cleaning.

Experimental Procedure: Two cleaning products were diluted to 5% using hot tap water (130 F) in 1000 ml beakers. Supplied parts that were received already contaminated were cleaned in the immersion solution for two minutes and then cleaned in the spray system for one minute. Two types of parts were cleaned in each solution. Following cleaning in the low-pressure spray system parts were rinsed for 15 seconds in a tap water bath at 120 F and dried using dry compressed air at room temperature. Parts were analyzed visually. Cleaned parts were packaged and sent to the client.

Results:

Cleaner	Part	Observation
Polyspray Jet	Angel with harp	Removal of contaminant evident in cleaning solution
	Santa Clause	
Detergent 8	Angel with harp	Removal of contaminant evident in cleaning solution
	Mrs. Clause	

Summary:

Substrates:	Plastic				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
US Polychem Corporation	Polyspray Jet 790 XS	5	0.00	☑	
Alconox Inc	Detergent 8	5	0.00	☑	

Conclusion: Both solutions at the lower concentration appeared to remove the buffing compound using 2 minutes of immersion and 1 minute of spray cleaning. Parts have been sent back for client inspection.