CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	1994
DateRun:	11/08/1994
Experimenters:	John Bulko
ClientType:	Plastic Manufacturer
ProjectNumber:	Project #1
Substrates:	Plastic
PartType:	Coupon
Contaminants:	Mold Releases
Cleaning Methods:	High Pressure Spray
Analytical Methods:	Visual
Purpose:	Clean parts using high pressure spary system
Experimental Procedure:	Coupons that were previously contaminated, cleaned, rinsed and dried in the previous trials were used in this trial. The coupons were contaminated with the silicone mold release agents and any residual cleaning solution. These coupons were placed on a parts basket and cleaned in a high pressure spay wash system with a five % solution for ten minutes at 140 F. Rinsing used tap water for one minute also at 140 F. Air knives dried the coupons for four minutes at ambient conditions. Parts were cooled down to ambient conditions using a desiccator. SUBSTRATE MATERIAL: Acrylate polymer coupons CONTAMINANTS: Silicone mold release agents, residual Delta-Omega Cleaner solutions CONTAMINATING PROCESS USED: Coupons were used from previous beaker trial after cleaning attempt with Delta-Omega products.
Results:	The cleaning solution dried on the coupons while untying the coupons from the parts basket. Tap water rinse did not remove spots from coupon surface. Much of the mold release was removed but an outline of where the mold release agent had been still remained, especially on the back of the coupons. The beige coupon appeared visually clean.

Summary:

Substrates:	Plastic				
Contaminants:	Mold Releases				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
S & S Industrial Services	Spray Clean 400 T	5	0.00	☑	

Conclusion: With further modification of the coupon configuration, the mold release agent may be removed more efficiently with the spay wash system.