CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2006
DateRun:	09/04/2006
Experimenters:	Jason Marshall
ClientType:	Metal Working
ProjectNumber:	Project #1
Substrates:	Brass
PartType:	Coupon
Contaminants:	Buffing/Polishing Compounds
Cleaning Methods:	Immersion/Soak
Analytical Methods:	Gravimetric
Purpose:	To evaluate one product on first supplied buffing compound using immersion cleaning.
Experimental Procedure:	The product was diluted to 5% in 250 ml beakers using DI water and heated to 130 F on a hot plate. Three preweighed coupons were coated with the brown buffing compound using a handheld swab. Coupons were weighed a second time to determine the amount of buffing compound added. Three coupons were cleaned in each solution for five minutes using minimal stir bar agitation. Coupons were rinsed for 15 seconds in a tap water bath at 120 F and dried using a dry compressed air for 30 seconds. Once dry coupons were weighed a final time and product efficiencies were calculated.
Results:	The Detergent 8 cleaner removed over 90% of the brown buffing compound within 5 minutes of immersion cleaning. The following table lists the amount of buffing compound applied, the amount remaining and the efficiency for each coupon cleaned.

Cleaner	Initial wt	Final wt	% Removed
Detergent 8	0.2418	0.0203	91.60
	0.1786	0.0064	96.42
	0.1777	0.0202	88.63

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Alconox Inc	Detergent 8	5	92.22	☑	

Conclusion: Detergent 8 was effective on the buffing compound.