CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2004
DateRun:	08/29/2004
Experimenters:	Jason Marshall
ClientType:	Jewelry Mfr
ProjectNumber:	Project #1
Substrates:	Brass
PartType:	Part
Contaminants:	Buffing/Polishing Compounds
Cleaning Methods:	Vapor Degreasing
Analytical Methods:	Photography, Visual
Purpose:	To evaluate top two drop-in solvent cleaners on supplied parts.
Experimental Procedure:	Two products from the previous trials were heated to boiling in a beaker vapor degreaser. One part was immersed into the solvent and cleaned for five minutes. At the end of the cleaning the part was removed from the vapors and observed visually for cleaning results. Parts were photographed before and after cleaning.
Results:	Both solvents removed a majority of the contaminant from the supplied parts within the five minutes. However, neither product removed all of the buffing/milling contaminants. Lenium ES was more effective than the Kyzen Metalnox M6960. The dirty and clean parts are shown in the photographs.

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Petroferm Inc	Lenium ES	100	0.00	☑	
Kyzen Corporation	Metalnox M6960	100	0.00	☐	

Conclusion: Soaking the parts in the hot solvent with ultrasonics followed by a vapor rinse may result in an improvement in cleaning efficiency. Additional parts would be needed to perform more testing on these solvents as well as the other products.