CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2001
DateRun:	06/06/2001
Experimenters:	Jason Marshall
ClientType:	Electronics Manufacturer
ProjectNumber:	Project #1
Substrates:	Alloys, Aluminum
PartType:	Coupon
Contaminants:	Fluxes, Dirt
Cleaning Methods:	Ultrasonics
Analytical Methods:	Visual, microscopic
Purpose:	To evaluate selected cleaner at a lower concentration.
Experimental Procedure:	One cleaner, selected by the client based on the previous trials was diluted to 1% using DI water and placed in a VWR Scientific Products Aquasonic 150 HT ultrasonic tank and degassed for 5 minutes. One part was analyzed prior to cleaning to determine a baseline level. The part was then cleaned in this solution for 5 minutes at room temperature. Following cleaning, the part was rinsed for 2 minutes using a Crest 40 kHz ultrasonic tank model 4Ht 1014-6 with DI water at room temperature and then dried for 30 minutes at 160 F. After the part cools to room temperature, a final microscopy analysis was performed.
Results:	After analysis, the part looked clean along the seam. There was no major alteration of the surface. Pictures were taken of the part before and after.

Summary:

Substrates:	Alloys, Aluminum				
Contaminants:	Fluxes, Dirt				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Tower Products Inc	Tower 270 Cleaner Concentrate	1	0.00	☑	

Conclusion: Cleaning the supplied part with Tower 270 at 1%, 68 F for 5 minutes appears to have been effective.