

LOG SHEET

ULTRASONIC CLEANER TEST

Machine Number: _____ Normal Cycle Time: _____ Facility Name: _____ Date Started: _____

Date of Test Ex. 1/1/06					
Detergent Used in Solution (Product Name)					
Degassing of Solution Y or N					
Time required to have a color change to yellow					
Comments					
Person Performing the Test Name					

- Quick Steps for testing Sonic Cavitation using the SonoCheck™**
1. Prepare a fresh tank of the cleaning solution.
 2. Turn the unit on and de-gas according to the manufactures instructions
 3. When de-gassing is done, place the SonoCheck™ in the center of an empty tray / basket and place in the sonic cleaner.
 4. Turn the unit on and set to normal cycle time.
 5. Start cycle
 6. Observe the SonoCheck™ for a color change from blue to yellow (color change could happen as quickly as 20 seconds).
 7. Record the time it takes for the SonoCheck™ to change color from blue to yellow on the log sheet
In the case of no color change in the normal cycle time refer to trouble shooting guide.

Interpretation

PASS
Color changed to yellow



FAIL
Color remains blue



If the SonoCheck™ does not change color or if the time required to generate the color change takes longer than normal, please check the trouble shooting guide:

TROUBLE SHOOTING GUIDE

If the SonoCheck™ does not change color or if the time required to generate the color change takes longer than normal, please check the following guide:

Problem	Reason	Corrective action
De-gassing	Dissolved gasses will absorb ultrasonic energy	De-gas solution according to equipment manual
Water level	Ultrasonic energy may reflect off of the surface of the solution and change energy distribution	Check equipment manual for correct water level
Operating cycle time	Time varies with the amount of ultrasonic energy available	Longer operating cycles generally provide better results
Instrument load	Heavy instrument loading and certain materials can absorb ultrasonic energy	Look for weak points using the periodic functional test and check for ultrasonic absorbent material like silicone or plastics
Transducer failure	Transducer efficiency may decrease with age. Individual transducers may fail while others in the equipment continue to function	Perform periodic functional test, placing Sono-check monitors in each transducer location (see equipment manual)
Low energy	Transducer inefficiency or the ultrasonic basket may absorb too much energy	Check performance without basket in place. Compare performance against another ultrasonic cleaner if available. Call for service