

SMI, Inc.

12219 SW 131 Avenue
Miami, Florida 33186-6401 USA

Phone: (305) 971-7047
Fax: (305) 971-7048

Attn: Gene Larson
Echo Ultrasonics LLC
2457 W Shore Dr
Lummi Island, WA 98262-8634

Date: 30-Jul-2013

SMI/REF: 1301-274

Product: **SoniX UT™ NDT Ultrasonic Couplant** (received 28-Jun-2013)

Dilution: As received

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ASTM F 519

Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of
Plating Processes and Service Environments

Specimens: Type 1c, low-embrittling cadmium plated in accordance with MIL-STD-870

Load: 45 % of notched bend fracture load.

Exposure: Stressed specimens were completely immersed in the test chemical for 150 hours, or until failure (maximum 150 hrs).

Temperature: Room temperature

Dilution: As received

A chemical shall be considered non-embrittling if none of the immersed specimens fail within 150 hours after immersion into the chemical at the loads specified in table A5.1. Record the time to failure if less than 150 hours.

Results:
Specimen #1: No failures occurred within 150 hours.
Specimen #2: No failures occurred within 150 hours.
Specimen #3: No failures occurred within 150 hours.
Specimen #4: No failures occurred within 150 hours.

Result Conforms

Respectfully submitted,



Patricia D. Viani, SMI Inc.