

# American Competitiveness Institute Solder Analysis Sample Form

Company: \_\_\_\_\_ Date: \_\_\_\_\_

Street: \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Results to Attention of: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Solder Alloy Being Used: \_\_\_\_\_

Source (Wave, Hal, Other) : \_\_\_\_\_

Sample Identification: \_\_\_\_\_

## Mail Solder Samples To:

American Competitiveness Institute  
One International Plaza  
Suite 150  
Philadelphia, PA 19113  
Attention: Rebecca Morris

## Directions to take solder samples from a wave solder machine:

1. De-dross the machine by removing all dross which has accumulated on the top of the solder.
2. Using a ladle, thoroughly mix the pot metal for a minute or so to assure a homogenous mixture.
3. If there isn't an existing solder mold, take a metal soft drink can, cut off the top so that 3/4" (approx.) is left, rinse out and dry the can.
4. Take a sample from the middle of the solder pot that is half way over, half way across, and half way down. Dip the ladle into the pot half way down and bring the ladle up. Do not take a sample from the top of the pot.
5. Pour the molten solder into the soda pop can and let cool. When banged on the floor, the solder in the can will release.
6. Identify the sample on the metal.