

KES

The Method of Ultra Sonic Cleaning

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1. Scope of Application

This test standard determines the method of cleaning specimen for observation, using ultrasonic tester when observing a specimen with electronic microscope.

2. Test Instruments

- (1) Ultrasonic Cleaner
- (2) Beaker
- (3) Acetone
- (4) Soap Water

3. Testing Method and Order

- (1) Cut the specimen to be observed as its diameter is less than 65 mm as small its area as possible.
- (2) Grind the section with #320.
(Be cautious about that the surface to be checked doesn't get scratched.)
- (3) Dilute the 2 ℓ water with 200 mℓ bleach in a cleaning container.
- (4) Put the specimen in the beaker, and pour the acetone to submerge the specimen.
- (5) Put the beaker in the cleaning container, and close the lid.
- (6) Turn the power switch on.
- (7) Set the timer switch. (about 20 minutes for section)
- (8) Push the start switch.
- (9) After the set time passing, turn the machine off, and take out the specimen.
- (10) Dry the specimen in a drier by using alcohol or acetone.