

Reviews

By	Date

Standard Operating Procedure

EQUIPMENT: *Buhler Micro Hardness Tester*

SIGNIFICANT SAFETY PRECAUTIONS:

APPROVED BY: _____ DATE: _____

PREPARED BY: Matthew Dahar DATE: 9/20/2012

JOB STEPS

- 1.1 Turning on the machine The machine on off switch is on the bottom right side of the machine.
- 1.2 Before Stating Test Control the brightness with the LCD panel. Too bright causes Eye fatigue. Turn the eye piece until the inner edges of the two lines touch **do not cross lines** and press zero. Select a proper test load and dwell time from the menu.
- 1.3 Starting the Test Place a specimen on the X-Y stage. If sample is unlevel secure it with putty and a slide. Rotate the focus handle bring the surface into focus start with the 10X lens then switch to 40X lens. After focusing switch to indenter and begin test. **Do not touch the turret while the stat key lamp is blinking.**
- 1.4 Reading Test Measure indent in the center of the field of view. Use knob to adjust lines to each side of the indent. Then press the read switch and D1 length is displayed then turn the and measure D2.
- 1.5 After Test After finishing test lower stage and remove sample. Then turn off machine and replace the cover.

Note: There is a hardness calibration block in the 334 office talk to Matt Dahar if you need the block.