§ 318.305 Equipment and procedures for heat processing systems.

(a) Instruments and controls common to different thermal processing systems—

(1) Indicating temperature devices. Each retort shall be equipped with at least one indicating temperature device that measures the actual temperature within the retort. The indicating temperature device, not the temperature/time recording device, shall be used as the reference instrument for indicating the process temperature.

(i) Mercury-in-glass thermometers. A mercury-in-glass thermometer shall have divisions that are readable to 1°F (or 0.5°C) and whose scale contains not more than 1°F-inch (or 4.0°C/cm) of graduated scale. Each mercury-in-glass thermometer shall be tested for accuracy against a known accurate standard upon installation and at least once a year to ensure its accuracy. Records that specify the date, standard used, test method, and the person or testing authority performing the test shall be