DRYING OVEN VERIFICATION PROCEDURE #2

Revised 10/12/1995

Equipment Checked: DRYING OVEN

Purpose:

This method provides instructions for verifying the dial settings on general purpose drying ovens.

Inspection Equipment Required:

1. A calibrated thermometer graduated in 1.0 degress C increments having a range which includes the temperature range to be checked.
2. A brass thermometer well to retain heat while the oven door is open. This is essential for a constant temperature reading
3. A clothes pin to hold the thermometer in such a manner as to enable the operator to read the scale easily from outside or inside the oven.

Tolerance:

Drying ovens shall be capable of maintaining a constant temperature range listed in the appropriate test methods.

Procedure:

1. Place the thermometer inside the brad well with the clothes pion attached to the thermometer. Position the thermometer on the shelf where the samples are normally dried.
2. Take the first reading at least 1 hour after closing the oven (oven should remain undisturbed).
3. Take as many readings as necessary to determine if the temperature range is within the specified tolerance (three consecutive readings, taken no less then ½ hour apart within the tolerance allowed are adequate).
4. Adjust the temperature of the oven if an observed temperature reading is outside the tolerance specified (aloe at least ½ hour for the temperature to stabilize between each adjustment). Return to Step 3.

EQUIPMENT CALIBRATION RECORD

Calibration Procedure No.2 Ovens

Date:		**Calibrated by:**
Previous Calibration Date:		**Next Due:**
Frequency: Independent Assurance – 12 months, Acceptance Testing – Prior to use on project		
Action Recommended: **Repair** _____ **Replace**_____ **None**_____ **Other**		
Calibration Equipment:	**Serial Number:**	
Calibrated Thermometer		

MODEL		**MODEL**	
S/N		**S/N**	
SET @	**ACTUAL**	**SET @**	**ACTUAL**
MODEL		**MODEL**	
S/N		**S/N**	
SET @	**ACTUAL**	**SET @**	**ACTUAL**
MODEL		**MODEL**	
S/N		**S/N**	
SET @	**ACTUAL**	**SET @**	**ACTUAL**
MODEL		**MODEL**	
S/N		**S/N**	
SET @	**ACTUAL**	**SET @**	**ACTUAL**
MODEL		**MODEL**	
S/N		**S/N**	
SET @	**ACTUAL**	**SET @**	**ACTUAL**

4/25/2002