Calibration complies with ISO 9001 ISO/IEC 17025 AND ANSI/NCSL Z540-1

Calibration Certificate No. 1750.01

Cert. No.: 4127-2450322

Traceable® Certificate of Calibration for Refrigerator Thermometer

Instrument Identification:

Model: 06-664-11 S/N: 91102792 Manufacturer : Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Temperature Calibration Bath TC231	A79341		
Thermistor Module	A17118	11/08/09	A8B10067
Temperature Probe	3039	11/26/09	A8B11055
Temperature Calibration Bath TC155	93139		
Thermistor Module	A27129	7/09/10	1000264338
Temperature Probe	157	7/27/10	A9708011-4

Certificate Information:

Technician: 68 Procedure: CAL-03 Cal Date: 8/31/09 **Cal Due: 8/31/11**

Test Conditions: 23.5°C 43.0 %RH 1021 mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±uc	TUR
°C		N.A.		0.001	-1	Y	-1	1	0.580	1.7:1
°C		N.A.		50.001	50	Y	49	51	0.580	1.7:1

This Instrument was calibrated using Instruments Traceable to National Institute of Standards and Technology.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±uc=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min = Nominal(Rounded) - Tolerance; Max = Nominal(Rounded) + Tolerance; Date=MM/DD/YY

Nicol Rodriguez, Quality Manager

Wallace Berry, Technical Manager

Maintaining Accuracy:

In our opinion once calibrated your Refrigerator Thermometer should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Refrigerator Thermometers change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

CONTROL COMPANY 4455 Rex Road Friendswood, TX 77546 USA
Phone 281 482-1714 Fax 281 482-9448 service@control3.com www.control3.com