

Division 05 - Instrument Repair and Calibration Laboratory  
CERTIFICATE OF CALIBRATION

ISSUED TO: DIV 20 Center for Nuclear Waste Regulatory Analysis  
MFR/MODEL FISHER 14-983-10C  
ITEM DESCRIPTION THERMOMETER  
MODEL 14-983-10C S/N 1238004 SWRI NO. NONE  
PLUG-INS, ETC. NONE

TOLERANCE  $\pm .5^{\circ}\text{C}$   
 $(-20^{\circ}\text{C to } +150^{\circ}\text{C})$

STANDARDS

Standard No.	MFR Model	Description	S/N	Cal. Due	Cal. Rec. No.
		<u>FISHER 150418 THERMOMETER</u>	<u>3912261</u>	<u>18 FEB 92</u>	<u>4 L 3 L</u>

ENVIRONMENT: Temperature 71°F Humidity 45%  
Location Room A11 BLDG 68 SWRI

PROCEDURE

☐ Essentially as outlined in MFRS Service Manual  
☒ Compared this Thermometer to a Standard Thermometer  
in Ice Bath and Water Bath at ~~ambient~~ as follows: STD 0°C this 0°C  
8.5°C then 90°C  
☒ Acc. or Standard .1°C  
25.4°C 25.5°C  
57.5°C 57°C

CONCLUSION

☒ Item within tolerance  
☐ Item out of tolerance  
☐ Item ADJ/repared to tolerance  
☐

Calibration was in accord with requirements of MIL-STD-45662A. Measurements are traceable to the National Institute of Standards and Technology. Inspection and test data are on file and available for inspection.

SIGNED Anthony P. Lawrence  
DATE 26 AUG 91

0008192

RECORD NUMBER: 0008192 NEXT CALIBRATION DUE: 26 AUG 92

S O U T H W E S T   R E S E A R C H   I N S T I T U T E

Department of Quality Assurance  
Calibration Laboratory

CERTIFICATE OF CALIBRATION

Issued to: DIV20 B168 NARASI SRIDHAR

Device No: 1427

Manufacturer: FISHER

Model: 14-983-10C

Nomenclature: THERMOMETER

Serial Number: 1238004

SwRI No:

Remarks

Accuracy:  $\pm 0.5$  C

Procedure: SWRI

ENVIRONMENT

Temperature: 0   Humidity: 0   Location: B145 SWRI

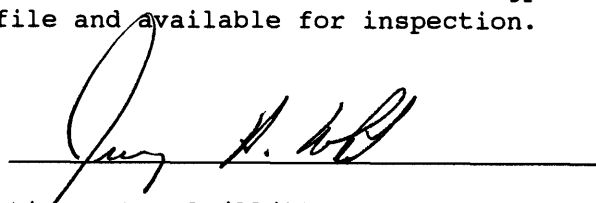
CONCLUSION

Tolerance/Remarks: Received in tolerance, no adjustments made

Compared the thermometer to the standard thermometer in ice bath and several points between zero and one hundred.

Calibration was in accord with requirements of MIL-STD-45662A. Measurements are traceable to the National Institute of Standards and Technology. Inspection and test data are on file and available for inspection.

Signed



Calibration Date: 07/29/92

Record Number: 00009471

Next Calibration Due: 07/29/93

S O U T H W E S T   R E S E A R C H   I N S T I T U T E

Department of Quality Assurance  
Calibration Laboratory

Device Serial No: 1238004

Calibration Date: 07/29/92

STANDARDS

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Standard No: 159    Manufacturer: FISHER

Model: 15-041B

Nomenclature: THERMOMETER

Serial No: 891-2261

Cal.Due: 02/12/93

Cal.Rec.No: 00008846

S O U T H W E S T     R E S E A R C H     I N S T I T U T E

Department of Quality Assurance  
Calibration Laboratory

OUT OF TOLERANCE NOTICE

Date: 08/03/93

The following instrument was out of tolerance when submitted for calibration.

Issued to: DIV20 B57 NARASI SRIDHAR

Device No: 1427

Manufacturer: FISHER

Model: 14-983-10C

Nomenclature: THERMOMETER

Serial Number: 1238004

SwRI No:

Remarks

Accuracy: +.5 C

Calibration Interval: 12 months

DEVIATION

Entry Date: 08/03/93    Cal record #00011849 Last Valid Calibration: 07/29/92  
Remarks

The above Fisher Thermometer was found out of tolerance when submitted for calibration. The deviation is beyond its accuracy\* and therefore can not be calibrated to within manufacturer's specifications. The following results were recorded.

Standard Reading:	Unit Under Test:
0 Deg C.	0 Deg C.
50.3 Deg C.	50.0 Deg C.
100.0 Deg C.	99.5 Deg C.
* 140.4 Deg C.	138.0 Deg C.

Accuracy= + .5 Deg C.

cc: Manager, QA

Signed

