

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 B51 RANDALL MANTUEFEL

Device No: 2412

Manufacturer: OHAUS

Model: 310 G

Nomenclature: BALANCE

Serial Number: 1593010

SwRI No: NONE

Cal interval 6 Mo.

Remarks

Accuracy: MFGR

Procedure: SWRI

ENVIRONMENT

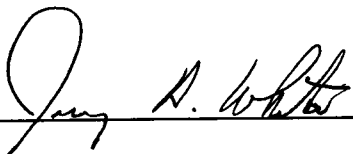
Temperature: 72 Humidity: 48 Location: ROOM A11 B68 SWRI

CONCLUSION

Tolerance/Remarks: Received into the system, introduced or reactivated

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

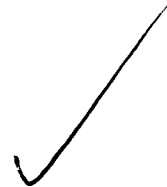


Calibration Date: 07/08/93

Cal interval: 6 Months

Record Number: 00011507

Next Calibration Due: 01/08/94



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: 1593010

Calibration Date: 07/08/93

STANDARDS

Standard No: 1707	Manufacturer: RICE LAKE	Model: 5 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C862	Cal.Due: 07/08/93	Cal.Rec.No: 00000000
Standard No: 1708	Manufacturer: RICE LAKE	Model: 10 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C863	Cal.Due: 07/08/93	Cal.Rec.No: 00000000
Standard No: 1711	Manufacturer: RICE LAKE	Model: 50 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C866	Cal.Due: 07/08/93	Cal.Rec.No: 00000000
Standard No: 1712	Manufacturer: RICE LAKE	Model: 100 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C867	Cal.Due: 07/08/93	Cal.Rec.No: 00000000
Standard No: 1713	Manufacturer: RICE LAKE	Model: 200 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C868	Cal.Due: 07/08/93	Cal.Rec.No: 00000000

OPERATING SPECIFICATIONS

**MODEL: 310
DIAL-O-GRAM BALANCE**

1. Capacity and Readability

	<u>Capacity</u>	<u>Readability</u>
Beam 1	100 g	10 g
Beam 2	200 g	100 g
Dial	10 g	.01 g

2. Sensitivity

<u>Load</u>	<u>Applied Load</u>	<u>Pointer Deflection</u>
0 g	.01 g	.015" - .035"
200 g	.01 g	.010" - .030"

3. Weighbeam Accuracy

	<u>Poise Position</u>	<u>Tolerance</u>	<u>Poise Position</u>	<u>Tolerance</u>
Beam 1	100 g position	± .013 g	Intermediate	± .025 g
Beam 2	200 g position	± .035 g	100 g	± .025 g
Dial	10 g position	± .025 g	Intermediate	± .035 g

4. Repeatability

During a test the -0- load pointer position should not shift by an amount greater than ± .005 g.

5. Damping

Swings of pointer to rest at -0- load - 2-4 swings.

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 B57 RON GREEN

Device No: 2412

Manufacturer: OHAUS

Model: 310 G

Nomenclature: BALANCE

Serial Number: 1593010

SwRI No: NONE

Cal interval 6 Mo.

Remarks

Accuracy: MFGR

Procedure: SWRI

ENVIRONMENT

Temperature:

Humidity:

Location: SWRI DIV20 BLDG.57

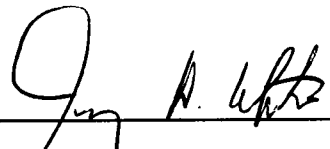
CONCLUSION

Tolerance/Remarks: Received in tolerance, no adjustments made

Room temperature.

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: 01/06/94

Cal interval: 6 Months

Record Number: 00013086

Next Calibration Due: 07/06/94

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: 1593010

Calibration Date: 01/06/94

STANDARDS

Standard No: 1704	Manufacturer: RICE LAKE	Model: 1 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C859	Cal.Due: 06/30/94	Cal.Rec.No: 00011756
Standard No: 1708	Manufacturer: RICE LAKE	Model: 10 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C863	Cal.Due: 06/30/94	Cal.Rec.No: 00011760
Standard No: 1712	Manufacturer: RICE LAKE	Model: 100 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C867	Cal.Due: 06/30/94	Cal.Rec.No: 00011764
Standard No: 1713	Manufacturer: RICE LAKE	Model: 200 GRAM
Nomenclature: WEIGHT STANDARD		
Serial No: C868	Cal.Due: 06/30/94	Cal.Rec.No: 00011765