

Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78238
(210) 522-5215
Department of Quality Assurance
Calibration Laboratory

Certificate of Calibration

5 August 2002

Issued to: JIM PRIKRYL DIV20 B57
Manufacturer/Model: OHAUS TS 400D
Description: BALANCE
Serial Number: 2883
Asset Number: 002345
Work Order Number: 444047259

This certifies the above item was calibrated in compliance with MIL-STD-45662A and ANSI/NC SL Z540-1-1994. Standards used in this calibration, described in the referenced calibration procedure with associated uncertainties or tolerances, are traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request. This certificate is not to be reproduced, except in full, without the written approval of the Southwest Research Institute Department of Quality Assurance Calibration Laboratory.

The uncertainty of the calibration was sufficient to determine that the item met the manufacturer's published specifications unless stated otherwise below.

Ambient Conditions: Temperature: 71.0 Degrees Fahrenheit Humidity: 69 % RH

Calibration Date: 5 Aug 02 **Calibration Procedure:** CLCP-WT-001, 12/99

Condition as Received: IN TOLERANCE

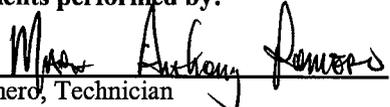
Condition as Returned: IN TOLERANCE

Remarks:

Approved by:


Walt Hill, Metrology Group Leader
Institute Calibration Laboratory

Measurements performed by:


Mark Romero, Technician

Southwest Research Institute

Calibration Laboratory

Calibration Data Sheet

Work Order 444049722	Mfr. Ohaus	Technician Mark A. Romero
Asset No. 002345	Model TS400D	Procedure CLCP-WT-001, 12/99
Serial No. 2883	Type Balance	Cal Date 05-Aug-02

Location: Bldg. 57/ Lab 111 Corrosion Lab

Ambient Conditions: 71 F 69 %RH 14.23 PSIA

Operational Check: Limits +/- : 0.03 g

STD Mass Load	As Found Indication	Instrument Error
400.00 g	400.00 g	0.00 g

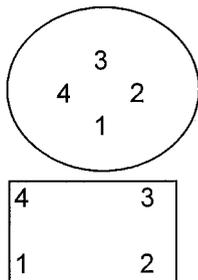
Post Calibration Check:

STD Mass Load	Post calibration Indication	Instrument Error	Results
400.00 g	400.00 g	0.00 g	Pass

Repeatability Check: Mass Load: 200.00 g

1	200.00 g	6	200.00 g
2	200.00 g	7	200.00 g
3	200.00 g	8	200.00 g
4	200.00 g	9	200.00 g
5	200.00 g	10	200.00 g
Std Deviation		Tolerance	
0.00 g		0.01 g	

Off-Centerline Check: Mass Load: 200.00 g



	Indication	Instrument Error	+/- Limits	Results
1	0.00 g	0.00 g	0.01	Pass
2	0.00 g	0.00 g	0.01	Pass
3	0.00 g	0.00 g	0.01	Pass
4	0.00 g	0.00 g	0.01	Pass

Non-Linearity Check: Range: 400.00 g

STD Mass Load	Indication	Instrument Error	+/- Limits	Results
0.00 g	0.00 g	0.00 g	0.01	Pass
100.00 g	100.00 g	0.00 g	0.01	Pass
200.00 g	100.00 g	0.00 g	0.01	Pass
300.00 g	100.00 g	0.00 g	0.01	Pass
400.00 g	100.00 g	0.00 g	0.01	Pass

Remarks: Readability is 0.001g (80g) and 0.01g (410g). Standards used 1712, 1713, and 1714.