



SOUTHWEST RESEARCH INSTITUTE®

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Institute Quality Systems
Institute Calibration Laboratory
Phone: 210-522-5215 Fax 210-522-4834



Calibration Laboratory
Certificate #0972-01

Certificate of Calibration

Cost Center / Customer: DIV20 / DON BANNON

Mail Stop: B51

Manufacturer/Model: OHAUS / T31P

Description: SCALE

Serial Number: 0020313-6MK

Asset Number: 015483

Procedure: BALANCES & SCALES - 1 DEC 06

Work Order: 303093032

Date Issued: 26-Feb-2010

Date Calibrated: 26-Feb-2010

*** Date Due :** 26-Feb-2011

**** Results:** FOUND-LEFT

Temperature: 68.2 °F

Humidity: 29 %RH

Barometer: 14.37 psia

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 2005, ANSI/NCSL Z540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.

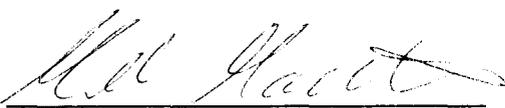
*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Data type found in this certificate or attached measurement report must be interpreted as: Found-left - adjustment and/or repair was not performed, As-found - data is before unit is adjusted and/or repaired, As-left - data is after adjusted and/or repaired was performed. The customer has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance.

Measurement uncertainty calculated in accordance with the method described in the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM), for a confidence level of approximately 95 percent using a coverage factor of $k=2$.

Remarks: Calibrated with D300BX base S/N 0643135-6MK.

Standards Used

<u>Asset #</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Description</u>	<u>Cal Date</u>	<u>Due Date</u>
005090	RICE LAKE	50 LB	WEIGHT, CLASS F	28-Sep-2009	28-Sep-2011
005091	RICE LAKE	50 LB	WEIGHT, CLASS F	28-Sep-2009	28-Sep-2011
005092	RICE LAKE	50 LB	WEIGHT, CLASS F	22-Oct-2009	22-Oct-2011
005093	RICE LAKE	50 LB	WEIGHT, CLASS F	14-Dec-2009	14-Dec-2011
005094	RICE LAKE	50 LB	WEIGHT, CLASS F	14-Dec-2009	14-Dec-2011
005095	RICE LAKE	50 LB	WEIGHT, CLASS F	14-Dec-2009	14-Dec-2011
015272	RICE LAKE	50 LB	WEIGHT, CLASS F	9-Dec-2008	9-Dec-2010
015273	RICE LAKE	50 LB	WEIGHT, CLASS F	9-Dec-2008	9-Dec-2010
015274	RICE LAKE	50 LB	WEIGHT, CLASS F	9-Dec-2008	9-Dec-2010
015275	RICE LAKE	50 LB	WEIGHT, CLASS F	9-Dec-2008	9-Dec-2010
015276	RICE LAKE	50 LB	WEIGHT, CLASS F	9-Dec-2008	9-Dec-2010
015277	RICE LAKE	50 LB	WEIGHT, CLASS F	9-Dec-2008	9-Dec-2010


Walt Hill

Laboratory Manager



Carlos Mendoza
Metrology Technician

Southwest Research Institute
 Calibration Laboratory
 Measurement Report

Work Order:	303093032	Mfr:	Ohaus	Technician:	com
Asset No:	015483	Model:	T31P	Type Data:	Found-left
Serial No:	0020313-6MK	Type:	Scale	Cal Date:	26-Feb-10
Remarks: Calibrated with base, Model D300BX; S/N: 0641315-6MK.					

Function/Range	Applied	TI Reading	Difference	± Limit	±Uncertainty	Result	% Limit
Direct Weighing	lbs	lbs	lbs	lbs	lbs		
	150.0	149.8	-0.2	0.4	0.26	Pass	50%
	300.0	299.8	-0.2			Pass	50%
	450.0	449.8	-0.2	0.6		Pass	33%
	600.0	599.8	-0.2			Pass	33%

END OF REPORT