



# SOUTHWEST RESEARCH INSTITUTE®

6220 Culebra Road, P.O. Drawer 28510  
Institute Quality Systems  
Institute Calibration Laboratory  
Phone: 210-522-5215 Fax 210-522-4834



Calibration Laboratory  
Certificate #0972-01

## Certificate of Calibration

**Cost Center:** DIV20

**Mail Stop:** B51

**Customer:** DON BANNON

**Manufacturer/Model:** OHAUS / T31P

**Description:** SCALE

**Serial Number:** 0020313-6MK

**Asset Number:** 015483

**Procedure:** BALANCES & SCALES - 1 DEC 06

**Work Order:** 303085951

**Date Issued:** 4-Feb-2009

**Date Calibrated:** 4-Feb-2009

**\*Date Due :** 4-Feb-2010

**\*\*Results:** FOUND-LEFT

**Temperature:** 72°F

**Humidity:** 20 %

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. \*\*Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The customer has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance. See Remarks or attached Measurement Report with the same Work Order number for data.

Reported uncertainty calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level.

**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	26-Sep-2007	26-Sep-2009
005091	RICE LAKE	50LB	WEIGHT, CLASS F	26-Sep-2007	26-Sep-2009
005092	RICE LAKE	50 LB	WEIGHT, CLASS F	16-Oct-2007	16-Oct-2009
005093	RICE LAKE	50 LB	WEIGHT, CLASS F	11-Dec-2007	11-Dec-2009
005094	RICE LAKE	50 LB	WEIGHT, CLASS F	11-Dec-2007	11-Dec-2009
005095	RICE LAKE	50 LB	WEIGHT, CLASS F	11-Dec-2007	11-Dec-2009
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

  
Reviewed By: ( ) srk ( ) mar (x) wgh

Laboratory Quality Manager

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Calibrated By: Mark Romero

Metrology Technician

Southwest Research Institute  
Calibration Laboratory  
Measurement Report

Work Order:	303085951	Mfr:	Ohaus	Technician:	Mark Romero
Asset No:	015483	Model:	T31P		
Serial No:	0020313-6MK	Type:	Scale	Cal Date:	04-Feb-09
Remarks      Calibrated with D300BX base S/N 0643135-6MK.					
Initial set-up and linear calibration performed.					
Ambient Conditions		72 ° F		20 % RH	
				14.45 PSIA	

Function/Range	Applied	TI Reading	Difference	+/- Limit	+/-Uncertainty	Found/Left
Linearity	lbs	lbs	lbs	lbs	lbs	Result
	150.0	150.0	0.0	0.4	0.26	Pass
	300.0	300.0	0.0	0.4	0.26	Pass
	450.0	450.0	0.0	0.6	0.26	Pass
	600.0	600.0	0.0	0.6	0.26	Pass

End of Report