



# 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:** B57

**Manufacturer/Model:** OHAUS / T31P

**Description:** SCALE

**Serial Number:** 0020313-6MK

**Asset Number:** 015483

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

**Work Order:** 303100086

**Date Issued:** 2-Mar-2011

**Date Calibrated:** 2-Mar-2011

**\* Date Due :** 2-Mar-2012

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

**Temperature:** 73.2 °F

**Humidity:** 36 %RH

**Barometer:** 14.35 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/NCCL 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:** WITH BASE MODEL: D300BX; 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	18-Nov-2010	18-Nov-2012
015273	RICE LAKE	50 LB	WEIGHT, CLASS F	18-Nov-2010	18-Nov-2012
015274	RICE LAKE	50 LB	WEIGHT, CLASS F	18-Nov-2010	18-Nov-2012
015275	RICE LAKE	50 LB	WEIGHT, CLASS F	18-Nov-2010	18-Nov-2012
015276	RICE LAKE	50 LB	WEIGHT, CLASS F	18-Nov-2010	18-Nov-2012
015277	RICE LAKE	50 LB	WEIGHT, CLASS F	18-Nov-2010	18-Nov-2012

  
Walt Hill

Laboratory Manager

  
Carlos Mendoza

Metrology Technician

Southwest Research Institute  
Calibration Laboratory  
Measurement Report

Work Order:	303100086	Mfr:	Ohaus	Technician:	com
Asset No:	15483	Model:	T31P	Type Data:	Found-left
Serial No:	0020313-6MK	Type:	Scale	Cal Date:	2-Mar-11
Remarks: W/Base model D300BX; S/N: 0643135-6MK.					

Function/Range	Applied	TI Reading	Difference	± Limit	±Uncertainty	Result	% Limit
Direct Weighing	lbs	lbs	lbs	lbs	lbs		
	150.0	150.0	0.0	0.4	0.26	Pass	0%
	300.0	300.0	0.0			Pass	0%
	450.0	450.0	0.0	0.6		Pass	0%
	600.0	600.0	0.0			Pass	0%
END OF REPORT							