Received:5/8/2009 2:43:03PM, By:DBROWNLEE

Asset No. 001439

Work Order No. 303087692

Manufacturer:	METTLER	Charge/Project No.	OHD20.131 1.20
Description:	BALANCE	Div/Client	DIV20
Model:	AE240	Contact	DON BANNON
Serial No.	101237	Mail Stop	B51
Div ID/Loc.		Phone	5118
Interval:	6 M		
Cal. Procedure:	BALANCES & SCALES - 1 DEC 06		
Cal. Data Sheet:			

Special Instructions

Requested by: _____

IN PLACE

Policy on service to our customers

The Institute Calibration Laboratory (Laboratory) seeks the customer's cooperation to clarify work requests before and during work. Customers may witness calibrations with prior arrangement. The recall interval is determined by the customer. Cost for adjustments or repairs are made where the cost is less than 50 percent of the instrument replacement cost or less than $500 unless otherwise instructed in Special Instructions above. As-found/As-left measurements are recorded and provided to the customer pass or fail. The customer is responsible for providing the manufacturer manual/information or other proposed method/procedure if not available in the Laboratory. The customer will be notified if the proposed method/procedure is inappropriate or out-dated. Deviations from calibration methods/procedures (Limited Calibration) where technically justified shall be approved by the customer before release

MAY 0 8 2009

Date Picked Up

Picked Up By

Work Summary

Date	Emp.	Hours	Remarks

SOUTHWEST RESEARCH INSTITUTE®

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

Certificate of Calibration

ACCREDITED
Calibration Laboratory
Certificate #0972-01

Cost Center:	DIV20	**Work Order:**	303087692
Mail Stop:	B51	**Date Issued:**	8-May-2009
Customer:	DON BANNON	**Date Calibrated:**	8-May-2009
Manufacturer/Model:	METTLER / AE240	***Date Due :**	8-Nov-2009
Description:	BALANCE	****Results:**	FOUND-LEFT
Serial Number:	101237	**Temperature:**	76°F
Asset Number:	001439	**Humidity:**	60 %
Procedure:	BALANCES & SCALES - 1 DEC 06		

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:

Standards Used

Asset #	Manufacturer	Model	Description	Cal Date	Due Date
001704	RICE LAKE	1G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001705	RICE LAKE	2G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001706	RICE LAKE	2G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001707	RICE LAKE	5G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001708	RICE LAKE	10G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001709	RICE LAKE	20G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001710	RICE LAKE	20G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001711	RICE LAKE	50G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001712	RICE LAKE	100G	WEIGHT, CLASS 1	5-Aug-2008	5-Aug-2009
001714	RICE LAKE	200G	WEIGHT, CLASS S	5-Aug-2008	5-Aug-2009

Reviewed By: ( ) srk ( ) mar (✓) wgh
Laboratory Quality Manager

Calibrated By: Carlos Mendoza
Metrology Technician

m:\A2LA OCT_08.rpt

Southwest Research Institute
Calibration Laboratory
Measurement Report

Work Order:	303087692	Mfr:	Mettler	Technician:	com
Asset No:	001439	Model:	AE240		
Serial No:	101237	Type:	Balance	Cal Date:	08-May-09
Remarks:					
Ambient Conditions	76 °F		60 % RH	14.19	PSIA

Function/Range	Applied	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Corner Load	grams	grams	grams	grams	grams	Result
Reference	80.0000					
Front	0.0000	0.0000	0.0000	0.0006		Pass
Rear	0.0000	0.0000	0.0000	0.0006		Pass
Left	0.0000	-0.0002	-0.0002	0.0006		Pass
Right	0.0000	0.0002	0.0002	0.0006		Pass
Repeatability						
<41g Range						
1	20.00000	20.00004				
2	20.00000	20.00001				
3	20.00000	20.00002				
4	20.00000	20.00001				
5	20.00000	20.00001				
6	20.00000	20.00002				
7	20.00000	20.00001				
8	20.00000	19.99995				
9	20.00000	19.99994				
10	20.00000	19.99994				
Std Deviation		0.000037		0.000040		Pass
Repeatability						
<205g Range						
1	100.0000	100.0001				
2	100.0000	100.0001				
3	100.0000	100.0000				
4	100.0000	99.9999				
5	100.0000	100.0000				
6	100.0000	99.9999				
7	100.0000	99.9999				
8	100.0000	99.9999				
9	100.0000	100.0000				
10	100.0000	100.0000				
Std Deviation		0.00008		0.00020		Pass

Southwest Research Institute
Calibration Laboratory
Measurement Report

Work Order:	303087692	Mfr:	Mettler	Technician:	com
Asset No:	001439	Model:	AE240		
Serial No:	101237	Type:	Balance	Cal Date:	08-May-09

Function/Range	Applied	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Linearity	grams	grams	grams	grams	grams	Result
<41g Range						
Nominal	Conventional					
Value (g)	Mass					
0.00000	0.00000	0.00000	0.00000	0.00008	0.000084	Pass
4.00000	4.00000	3.99997	-0.00003	0.00008	0.000084	Pass
8.00000	7.99999	7.99993	-0.00006	0.00008	0.000084	Pass
12.00000	12.00002	12.00001	-0.00001	0.00008	0.000084	Pass
16.00000	16.00001	16.00001	0.00000	0.00008	0.000084	Pass
20.00000	20.00001	19.99999	-0.00002	0.00008	0.000084	Pass
24.00000	24.00001	24.00002	0.00001	0.00008	0.000084	Pass
28.00000	28.00000	27.99997	-0.00003	0.00008	0.000084	Pass
32.00000	32.00001	32.00003	0.00002	0.00008	0.000084	Pass
36.00000	36.00002	35.99999	-0.00003	0.00008	0.000084	Pass
40.00000	40.00003	39.99998	-0.00005	0.00008	0.000084	Pass
Linearity						
<205g Range						
Nominal	Conventional					
Value (g)	Mass					
0.0000	0.0000	0.0000	0.0000	0.0006	0.00018	Pass
20.0000	20.0000	20.0000	0.0000	0.0006	0.00018	Pass
40.0000	40.0000	40.0000	0.0000	0.0006	0.00018	Pass
60.0000	60.0000	60.0000	0.0000	0.0006	0.00018	Pass
80.0000	80.0000	80.0000	0.0000	0.0006	0.00018	Pass
100.0000	100.0001	100.0000	-0.0001	0.0006	0.00018	Pass
120.0000	120.0001	120.0001	0.0000	0.0006	0.00018	Pass
140.0000	140.0001	140.0001	0.0000	0.0006	0.00018	Pass
160.0000	160.0001	159.9999	-0.0002	0.0006	0.00018	Pass
180.0000	180.0001	179.9999	-0.0002	0.0006	0.00018	Pass
200.0000	200.0001	200.0004	0.0003	0.0006	0.00018	Pass

End of Report