

Certificate Report No.: NA6550-279-031213

**Mettler Toledo**  
Service Business Unit Industrial  
1900 Polaris Parkway  
Columbus, Ohio 43240  
1-800-METTLER

# METTLER TOLEDO

ISO 9001 Registered

## Calibration Certificate

### Customer

*Company:* G & R Cold Forging Inc  
*Address:* 7072 Smith Industrial Drive  
*City:* McGregor *State/Province:* Ontario  
*Zip/Postal:* N0R 1J0 *Customer ID:* C036227001001

### Device

*Manufacturer:* METTLER TOLEDO *Terminal Model:* N/A  
*Model:* BBA-442 *Terminal Serial No.:* N/A  
*Serial No.:* 2870613-7LH *Printer Serial No.:* N/A  
*Capacity:* 70 lb *Dept./Room:* Shipping G3  
*Readability:* 0.005 lb *No. of Divisions:* 14000  
*Scale Class:* II *Procedure Used:* NIST Handbook 44  
*Customer Asset #/ID:* N/A

*Calibration Date:* 12-Mar-2013 *Next Cal. Due Date:* 30-Sep-2013  
*Service Technician:* Karl Mikes *Signature:* ELECTRONIC SIGNATURE

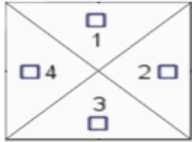
### Reference Weights

*Traceability* Test weights used are traceable to the National Institute of Standards and Technology.

Weight Set No.:	NIST Traceability No.:	Class ASTM/OIML:	Calibration Date:	Calibration Due Date:
W1 - W10	1359878	ASTM 5	12-Mar-2012	12-Mar-2013
Kit # 87914	1359858	ASTM 5	28-Aug-2012	28-Aug-2013

## Measuring Results

### Shift Test



<i>Weights Applied</i>	<i>Position</i>	<i>As Found</i>	<i>As Left</i>
		<i>Displayed Value</i>	<i>Displayed Value</i>
1: 30 lb	<i>Position 1</i>	29.990 lb	30.000 lb
2: 30 lb	<i>Position 2</i>	29.990 lb	30.000 lb
3: 30 lb	<i>Position 3</i>	29.990 lb	30.000 lb
4: 30 lb	<i>Position 4</i>	29.990 lb	30.000 lb
<i>Maximum Error:</i>		0.010 lb	0.000 lb
<i>Max Allowable Error:</i>		0.010 lb	0.01 lb

### Linearity

	<i>As Found</i>					
	<i>Weights Applied</i>	<i>Reading</i>	<i>Error</i>		<i>Allowable Error</i>	<i>Within Tol</i>
Zero 1	0.000 lb	0.000 lb	0.000 lb	0 d	1 d	YES
2	5.000 lb	4.995 lb	-0.005 lb	1 d	1 d	YES
3	20.000 lb	19.995 lb	-0.005 lb	1 d	1 d	YES
4	50.000 lb	49.985 lb	-0.015 lb	3 d	2 d	NO
Max 5	70.000 lb	69.980 lb	-0.020 lb	4 d	2 d	NO
6	50.000 lb	49.985 lb	-0.015 lb	3 d	2 d	NO
7	20.000 lb	19.995 lb	-0.005 lb	1 d	1 d	YES
8	5.000 lb	4.995 lb	-0.005 lb	1 d	1 d	YES
Zero 9	0.000 lb	0.000 lb	0.000 lb	0 d	1 d	YES

Substitution method used

	<i>As Left</i>					
	<i>Weights Applied</i>	<i>Reading</i>	<i>Error</i>		<i>Allowable Error</i>	<i>Within Tol</i>
Zero 1	0.000 lb	0.000 lb	0.000 lb	0 d	1 d	YES
2	5.000 lb	5.000 lb	0.000 lb	0 d	1 d	YES
3	20.000 lb	20.000 lb	0.000 lb	0 d	1 d	YES
4	50.000 lb	50.000 lb	0.000 lb	0 d	2 d	YES
Max 5	70.000 lb	70.005 lb	0.005 lb	1 d	2 d	YES
6	50.000 lb	50.000 lb	0.000 lb	0 d	2 d	YES
7	20.000 lb	20.000 lb	0.000 lb	0 d	1 d	YES
8	5.000 lb	5.000 lb	0.000 lb	0 d	1 d	YES
Zero 9	0.000 lb	0.000 lb	0.000 lb	0 d	1 d	YES

Substitution method used

Adjustment of scale has been necessary

In case of "NO", "AS FOUND" results correspond to "AS LEFT"

YES

NO

## Remarks

None.