

**To:** Don Bannon, Div. 20/ Bldg. 57  
**From:** Walt Hill, Metrology Group Leader  
Institute Calibration Laboratory  
**Date:** May. 02, 2007  
**Subject:** Out-of-tolerance Notice

The purpose of this notice is to alert you of a condition, which may have caused erroneous measurements affecting safety or the quality of products or services your organization provides. The attached as-found readings are provided for your evaluation to determine if the instrument listed below had an impact and if further action is required.

When the as-found results are near the specification limit, +/- a margin less than the measurement uncertainty, it is not possible to state in-tolerance or out-of-tolerance with a 95% level of confidence. It is the Institute Calibration Laboratory policy that the client is made aware of this situation because the end-user is taking some of the risk that the instrument listed below may not meet the end-user measurement requirements.

Your review/evaluation should be conducted in accordance with your organizational quality policy and procedural requirements. If we can be of further assistance, please contact the Calibration Laboratory at 522-5215.

**Manufacturer:** Sartorius **Model:** 3808-MP8

**Description:** Balance **Serial Number:** 390330006

**Asset Number:** 1444 **User ID Number:** n/a

**Last Calibration:** Nov. 08, 2006

**Date Received for Service:** May. 02, 2007 **Work Order Number:** 303074325

**Service Requested:** Scheduled calibration

**Remarks:** Scale failed linearity test. See attached Measurement Report.

Southwest Research Institute  
Calibration Laboratory  
Measurement Report

Work Order:	303074325	Mfr:	Sartorius	Technician:	Mark Romero
Asset No:	001444	Model:	3808-MP8	Cal Date:	02-May-03
Serial No:	39030006	Type:	Balance		

Remarks:  
Ambient Conditions                      73 °F                                      45 % RH                                      14.27 PSIA

Function/Range	Applied	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found
	grams	grams	grams	grams	grams	Result
Corner Load						
Reference	10000.0					
Front	0.0	0.1	0.1	0.8		Pass
Rear	0.0	0.0	0.0	0.8		Pass
Left	0.0	-0.2	-0.2	0.8		Pass
Right	0.0	0.2	0.2	0.8		Pass
Repeatability						
1	10000.0	10000.0				
2	10000.0	10000.1				
3	10000.0	10000.1				
4	10000.0	10000.2				
5	10000.0	10000.1				
6	10000.0	10000.1				
7	10000.0	10000.1				
8	10000.0	10000.1				
9	10000.0	10000.1				
10	10000.0	10000.1				
Std Deviation		0.05		0.20		Pass
Linearity	0.0	0.0	0.0	0.4	0.14	Pass
	3000.0	3000.1	0.1	0.4	0.14	Pass
	6000.0	6000.2	0.2	0.4	0.14	Pass
	9000.0	9000.3	0.3	0.4	0.14	Pass
	12000.0	12000.9	0.9	0.4	0.14	Fail
	15000.0	15000.8	0.8	0.4	0.14	Fail
	18000.0	18001.0	1.0	0.4	0.14	Fail
	21000.0	21001.2	1.2	0.4	0.14	Fail
	24000.0	24001.0	1.0	0.4	0.14	Fail
	27000.0	27001.8	1.8	0.4	0.14	Fail
	30000.0	30001.8	1.8	0.4	0.14	Fail

End of Report