SOUTHWEST RESEARCH INSTITUTE

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OUT OF TOLERANCE

To: Don Bannon, Div. 20

From: Walt Hill, Metrology Group Leader
Institute Calibration Laboratory

Date: Jul. 19, 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: Mettler **Model:** 10MG

Description: Weight, Class 1 **Serial Number:** 10783

Asset Number: 12339 **User ID Number:** n/a

Last Calibration: Jul. 18, 2006

Date Received for Service: Jul. 10, 2007 Work Order Number: 303075413

Service Requested: Scheduled calibration

Remarks: Unit failed calibration. THE RECORDED CONVENTIONAL MASS VALUE OF THE 10MG WGT IS: 9.988 150mg UNC +/-0.0041mg. CLASS 1 TOL +/-0.010mg.

STATEMENT OF ACCURACY

We certify that the weight/weight set listed below has been verified using mass standards whose calibrations are traceable to the National Institute of Standards and Technology.

As manufactured, the weight/weight set meets or exceeds the specifications for the type, grade and class listed.

Weight Range: 10mg

SN: 10783

Date: 1/26/06

Type: ☑ I ☐ II

Grade: ☑ S ☐ S¹ ☐ O ☐ P ☐ N/A

Class: ANSI/ASTM ☑ 1 ☐ 4

Material/Density at 20° C:

- ☐ Stainless Steel 7.95g/cm³ Range 50mg-500mg
- ☐ Stainless Steel 7.85g/cm³ Range 1g and larger
- ☐ Stainless Steel 7.95g/cm³ Range 1g and larger
- ☑ Aluminum 2.7g/cm³ Range 30mg and smaller
- ☐ Other _____

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