

**SOUTHWEST RESEARCH INSTITUTE  
CALIBRATION LABORATORY  
MEMORANDUM**

**September 10, 2002**

**To:** CYNTHIA DINWIDDIE DIV20 B189

**From:** Walt Hill, Metrology Group Leader  
Institute Calibration Laboratory

**Subject:** Status of Calibration Supplier

**Manufacturer/Model:** AALBORG INSTRUMENTS GFM-17

**Description:** FLOW METER

**Serial Number:** G20793

**Asset Number:** 009668

**Work Order Number:** 444050162

**Date Calibrated:** September 3, 2002

**Supplier:** RULE PRODUCTS, ROUND ROCK, TX

**Remarks:** Rule Cert # C556-1

- ( ) Supplier is on the Approved Suppliers List (ASL).
- ( ) Supplier is not on the Approved Suppliers List.
- ( ) Calibration is ISO 17025 accredited.
- ( ) Calibration is not ISO 17025 accredited.
- ( ) There is no known supplier to meet ISO 17025 accreditation at this time.

Please notify the Institute Calibration Laboratory, extension 5215, of any discrepancies with the item or calibration documentation.

Attachment(s)   /  

OUT OF TOLERANCE

# MFCR PRODUCTS

## CALIBRATION REPORT

C-556-1

Date: 9/3/02  
 Customer Information:  
Southwest Research  
San Antonio, TX

Std. Temp.: 70 F  
 Std. Pressure: 29.92  
 Gas: N2  
 Ref. Gas: N2 K factor 1  
 Range: 2000 SCCM  
 Inlet Pressure: 30 PSIG  
 Ambient Pressure: 29.15  
 %RH: N/A  
 Ambient Temp.: 88 F  
 Cal. STD.: Primary Tubes  
 Model #: B924  
 Serial #: 410  
 Cal. Method #: 102

Device Type:  
MFM  
 Rated Accuracy  
2% of Full Scale  
 Model #                      Serial #  
GF Series                      G20783

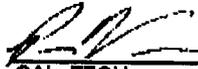
**AS RECEIVED**

READ	ACT	TOL(SCCM)
0	0	0
501	440	40
1040	972	40
1528	1374	40
1983	1794	40

**CALIBRATION DATA**

READ	ACT.	TOL(SCCM)
0	0	0
502	510	40
1072	1060	40
1494	1502	40
1972	1979	40

IN SPEC \_\_\_\_\_  
 OUT OF SPEC   X  

Cal. performed by:   
 Title: CAL. TECH.

NOTES:  
 \_\_\_\_\_  
 \_\_\_\_\_

All Calibrations are NIST traceable.  
 Uncertainty is .2 %  
 This report shall not be reproduced except  
 in full without written approval by Rule.