

# SOUTHWEST RESEARCH INSTITUTE

## Calibration Laboratory

### WORK ORDER

Received by RCRUZ, 6/7/02 3:01:18PM

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Arrived 6/7/02

Work Order **444048982**

Asset No. 009474 Manufacturer AALBORG INSTRUMENTS

Model GFM173

Equipment Type FLOW METER

Serial No. G58717-1

Accessory No.

Interval 0 N

Calibration Procedure \_\_\_\_\_ Location \_\_\_\_\_

Div/Client DIV20

Custodian CYNTHIA DINWIDDIE

Mail Stop B189

Tel 6085

**IN LINE**

Special Instructions \_\_\_\_\_

Notify before adjustments or repairs. ( ) Provide data with certificate ( ) Certificate Typ. \_\_\_\_\_

Charge/Project No. 01402.861 1.20

Requester / Telephone \_\_\_\_\_

This information is correct for the work requested. \_\_\_\_\_

### WORK NOTES

Date	Hours	Remarks/Notes
<u>6-12-02</u>		<u>Cal. # 250<sup>00</sup></u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Date	Hours	Part Name	Part Number	Failure Description	Cost
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### WORK SUMMARY

Failure Description nh

Repair Action \_\_\_\_\_

Tech John Prohaska Cal Hrs. \_\_\_\_\_ Repair Hrs \_\_\_\_\_ Parts Cost \_\_\_\_\_ Temp 68 F Hum. 32 %

Standards Used Vendor

Date Picked Up 06/11/02

Picked Up By Cynthia L. Dinwiddie

**48982**

**MFCR**  
**PRODUCTS**

**CALIBRATION REPORT**

C-547-1

Date: 7/10/02  
Customer Information: Southwest Research

Device Type: MFM

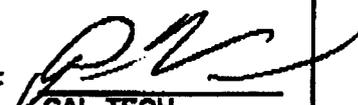
Rated Accuracy 2% Full Scale  
Model #                      Serial # G58717-1

Std. Temp.: 70 F  
Std. Pressure: 29.92  
Gas: Air  
Ref. Gas: Air K factor 1  
Range: 50 SCCM  
Inlet Pressure: AS REQUIRED  
Ambient Pressure: 29.035  
%RH: 32%  
Ambient Temp.: 68 F  
Cal. STD.: PRIMARY TUBES  
Model #: B924  
Serial #: 680  
Cal. Method #: 103

**CALIBRATION DATA**

READ	ACT.	TOL(SCCM)
0.0	0.0	0.0
12.4	12.8	1.0
23.1	23.5	1.0
35.8	35.6	1.0
48.1	47.6	1.0

Recived In spec.   x    
Out of spec.           

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.

**SOUTHWEST RESEARCH INSTITUTE  
CALIBRATION LABORATORY  
MEMORANDUM**

**July 12, 2002**

**To:** CYNTHIA DINWIDDIE DIV20 B189

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

**Subject:** Status of Calibration Supplier

**Manufacturer/Model:** AALBORG INSTRUMENTS GFM173

**Description:** FLOW METER

**Serial Number:** G58717-1

**Asset Number:** 009474

**Work Order Number:** 444049391

**Date Calibrated:** July 10, 2002

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

**Remarks:** Rule Products Cert #C-547-2

- Supplier is on the Approved Suppliers List (ASL) and is accredited.
- Supplier is on the Approved Suppliers List (ASL) but is not accredited.
- There is no known accredited supplier at this time.
- Supplier is not on the Approved Suppliers List (ASL). Please contact Don Dunavant at ext. 2942 if you wish to add the supplier to the ASL.

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

Attachment(s)   1



**SOUTHWEST RESEARCH INSTITUTE  
CALIBRATION LABORATORY  
MEMORANDUM**

**June 13, 2002**

**To:** CYNTHIA DINWIDDIE DIV20 B189

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

**Subject:** Status of Calibration Supplier

**Manufacturer/Model:** AALBORG INSTRUMENTS GFM173

**Description:** FLOW METER

**Serial Number:** G58717-1

**Asset Number:** 009474

**Work Order Number:** 444048982

**Date Calibrated:** June 11, 2002

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

**Remarks:** Rule Products Cert # C543-1

- Supplier is on the Approved Suppliers List (ASL) and is accredited.
- Supplier is on the Approved Suppliers List (ASL) but is not accredited.
- There is no known accredited supplier at this time.
- Supplier is not on the Approved Suppliers List (ASL). Please contact Don Dunavant at ext. 2942 if you wish to add the supplier to the ASL.

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

Attachment(s)   /