



GWS Metrology Services

Certificate Number:
CBRE-30907-ZT
Rev. Level: 2

CBRE - GWS LLC
Metrology Services
9410 Bunsen Parkway
Suite 100B
Louisville, KY 40220
502-495-5700



Calibration Certificate

Date of Cal:
26-Feb-2024
Issue Date:
27-Feb-2024

PO Number
48157262

Customer :
GE APPLIANCES - A HAIER COMPANY
GE APPLIANCE PARK
LOUISVILLE, KY 40225

Work Order
70847

Asset Number : **0.54J.D8B**
Manufacturer : **RITTER**
Description : **FLOW METER,**

Serial Number : **0.54J.D8B**
Model Number : **TG3/1-ER-1BAR**
Cal. Location : **9410 BUNSEN PKWY #100B, LOUISVILLE, KY**

Environmental Data

Temp : **22.1 °C**
Humidity : **48.4 %**

Calibration Information

***Calibration Due Date : **02/26/2025**
Condition As Received : **MEETS SPEC.**
Condition As Returned : **PASS**

Procedures used for this Calibration:

| Procedure # | Procedure Description | Rev # | Rev Date |
|-----------------|--|-------|------------|
| CP-0580 MASS FL | CP-0580 MASS FLOW CALIBRATION WITH MOLBOX SYSTEM | 2 | 10/30/2023 |

Traceability Information

| Asset Number | Description | Cal. Due Date | Reference Number |
|--------------|-------------------------------|---------------|------------------|
| MET-0129 | TERMINAL, MASS FLOW | 5/3/2024 | CBRE-3031-TSM |
| MET-0131 | ELEMENT, LAMINAR FLOW | 5/2/2024 | CBRE-3028-TSM |
| MET-0990 | TEMP AND HUMIDITY, DATALOGGER | 8/7/2024 | CBRE-3919-TSM |

Traceability to NIST or other national metrology institutes for secondary measurement standards is established through laboratories approved by the CBRE-GWS, LLC Metrology Services quality assurance program. Test reports and calibration certificates maintained by CBRE - GWS are available upon request to the recipient of this calibration report.

Calibrated By: ZACHARY THOMAS - Metrologist

This is to certify that the above listed instrument/gage was inspected by CBRE GWS Metrology Services using a procedure(s) developed from the manufacturer specifications, accepted industry practices and/or customer requirements. The CBRE GWS Metrology Services Quality System conforms to ISO/IEC-17025:2017. It is hereby further certified that the inspection described herein was performed using standards whose values are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) or other National Metrology Institute (NMI), or have been derived from accepted values of natural constants, or have been derived by the ratio type of self calibration techniques. Uncertainties are estimated at a 95% confidence level. (k=2). The results indicated in this certificate relate only to the item(s) listed above. CBRE GWS Metrology Services responsibility shall in no event nor for any reason whatsoever exceed the purchase price of this calibration.

*** Calibration due dates are only issued if requested by the customer and are based upon customer dictated recall intervals.

CALIBRATION TEST POINTS

* Not accredited for this parameter

FRDICT- (P)=Passed (A)=Adjusted after As Found Failure (L)=Limited (F)=Failed (R)=Report of Value only

| Description | Nominal | Tol - | Tol + | As Found | As Left | Units | Verdict | Comment |
|-------------|---------|--------|--------|----------|---------|-------|---------|---------|
| Flow | 180.84 | 168.84 | 192.84 | 174.00 | 174.00 | ltr/h | P | |
| | 450.69 | 438.69 | 462.69 | 456.00 | 456.00 | ltr/h | P | |
| | 900.63 | 888.63 | 912.63 | 906.00 | 906.00 | ltr/h | P | |

The verdicts above are based upon a direct comparison of the measured value at the time of calibration, to a published or customer supplied tolerance for the specification listed. CBRE-GWS does not include the measurement uncertainty in making these determinations unless specifically requested. It is the responsibility of the user of this equipment to determine if the accept / reject tolerances meet the requirements of the intended measurement process.

Certificate Comments :

No Additional Comments

Expanded measurement uncertainty at an approximate 95% confidence level (k=2)

± 0.14 % iv

This is wrong. See attached calibration requirements.

Make sure to always attach Manufacturer calibration report