Administrative Management Systems, Inc.
Administrative Office
PO Box 730, 205 West Main
Sackets Harbor, NY 13685
Phone: (315) 646-2234
E-mail: igcc@amscert.com

Notice of Change for Laboratories

To: IGMAC® Approved Laboratories

From: AMS, Inc. (Certification Body)

Date: March 10, 2026

Subject: IGMAC® Certification Program- Updated Laboratory Requirements

Summary of Changes:

Updated Guidelines for the IGCC®/IGMA® Laboratory Manual pertaining to calibration of equipment, testing gas content, and failures during testing were approved for use in the IGCC® program at the May 2025 annual meeting; on October 7th, 2025 they were also approved for use in the IGMAC® program following review by the IGMA/IGMAC Certification Committee.

Updated Laboratory Requirements (Changes in Green):

Calibration- Calibration of all measuring and recording devices shall be performed at least annually. Calibration of Acceptable GCIA Gas Testing Devices shall be conducted by the manufacturer or by an authorized service representative.

Acceptable GCIA Gas Testing Devices –

1. The following devices are acceptable for IGCC/IGMA and IGMAC GCIA Gas Certification Testing:

a. Sparklike Handheld (Gasglass)
b. Sparklike 1002 (Suitcase)

2. Non-destructive devices with accuracy equal to or better than Sparklike Handheld shall be acceptable for IGCC/IGMA and IGMAC Certification Testing as approved by the IGCC gas certification subcommittee.

GCIA Values- Laboratories shall report results of testing as “percent initial gas content” and “percent after weathering gas content” to the nearest whole percent. The calculation of percent initial gas content of the ten (10) test units (and, if applicable, the additional six (6) RAC test units), shall be the average of all 10 units tested (and, if applicable, the average of six (6) additional RAC test units). The calculation of percent after weathering gas content shall be the average of all 6 weathered test units. If applicable, the calculation of percent after RAC testing gas content shall be the average of all 6 RAC test units. If an Error or N/A is received when all parameters of testing are within tolerance (does not fall within the defined causations for rejecting readings outlined in ASTM E2649-20 section 12.9) then up to 10 total attempts are allowed to achieve a minimum of 4 numerical values for calculating the average of the cavity. If after 10 attempts, there are not a minimum of 4 numerical values, the specimen will be considered a failure.

Gas Content Multiple Cavity – The gas concentration of a multiple cavity IGU will be the average gas concentration of all the cavities to the nearest whole percent. Any cavity of a multicavity IGU that measures <50% shall be considered a failure.

How will these changes affect IGMAC® Approved Laboratories?

- All Sparklike Devices utilized for IGMAC® testing will be required to be calibrated at an authorized service representative. **As of this date, a grace period of 6 months will be provided to laboratories for submission and return of their Sparklike device calibration. Please provide evidence of equipment calibration conducted by a manufacturer or authorized service representative to IGCC®. If any additional time is required, please contact IGMAC@amscert.com.**

The following updates were completed as per a technical interpretation provided by the ASTM E06.22 Committee and further accepted by the IGCC and IGMA/IGMAC Certification Committees.

- If applicable, testing for gas content is completed in accordance with ASTM E2649. As per the technical interpretation by ASTM, laboratories that experience an N/A or Error during GCIA testing, will have the capability to take additional readings, as defined below:
    a. If an **N/A** or **Error** occurs, you have the ability to take up to 5 additional readings. After the 5 additional readings (10 total attempts) are completed, the first 5 numerical values will be utilized for the average of the cavity.
    b. If **only 4 readings** are acquired after the 10 total attempts, 4 readings may be used for the average of the cavity's concentration.
    c. If **< 4 readings** are acquired for the cavity after 10 total attempts, the unit shall be reported as a gas content failure.
- In a multi-cavity IGU, if only **1 cavity** experiences the following:
    a. An average reading of < 50% argon concentration.
    b. <4 readings due to receiving an N/A or Error
    The entire IGU will be deemed a failure. Failure of the individual IGU will be a means for failure of the entire test set.

The updates outlined in this Notice must take effect March 15, 2026 with the beginning of the F26 certification cycle.

Please retain a copy of this Memo for your records.

Best regards,
Olivia Aubin
IGCC®/IGMA® and IGMAC® Laboratory Liaison