



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**FTL Products, Inc.**  
**2490 Midland Rd.**  
**Bay City, MI 48706**

has been assessed by ANAB  
and meets the requirements of international standard

## ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

## CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

AC-1459

Certificate Number



ANAB Approval

Certificate Valid: 06/07/2018-06/14/2020  
Version No. 008 Issued: 06/07/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**FTL Products, Inc.**  
 2490 Midland Rd.  
 Bay City, MI 48706-9469  
 Karen Ratajczak  
 989-686-6200

**CALIBRATION**

Valid to: **June 14, 2020**

Certificate Number: **AC-1459**

**Mass**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Flow Rate			
Permeable Membrane	(1.0x10 <sup>-3</sup> to 1.0x10 <sup>-7</sup> ) cc/sec	4.9 % of reading	Helium Mass Spectrometer Transpector 2 Gas Analysis System Automated Primary Calibration Standard #1 Automated Primary Calibration Standard #2
Standard Leaks	(8.0x10 <sup>-3</sup> to 1.0x10 <sup>-6</sup> ) cc/sec	4 % of reading	
Flow Rate Helium Only	(1.0x10 <sup>-5</sup> to 1.0x10 <sup>-10</sup> ) cc/sec	1.6 % of reading	Automated Helium Mass Spectrometer Comparison System
Nitrogen or Dry Air Calibration Leak Standard Crimp Capillary	(10 to 1 000) cc/min	2.2 % of reading	Precision Flow Meter Comparison System
High Vacuum Gauges Ion and Cold Cathode Gauges	(1.0x10 <sup>-3</sup> to 1.0x10 <sup>-7</sup> ) Torr	0.33 % of reading	Transpector 2 Gas Analysis System Automated Primary Calibration Standard #1

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (*k*=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1459.



Vice President