



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Toll Company

3005 Niagara Lane, Plymouth, MN 55447

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical Calibration ***(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

June 07, 2022

Issue Date:

June 07, 2022

Expiration Date:

September 30, 2024

Accreditation No.:

117464

Certificate No.:

L22-419

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjilabs.com



Certificate of Accreditation: Supplement

Toll Company

3005 Niagara Lane, Plymouth, MN 55447
Contact Name: Ms. Theresa Ferret Phone: 763-551-5300

Accreditation is granted to the facility to perform the following calibrations:

Chemical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE OR NOMINAL DEVICE SIZE AS APPROPRIATE	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (\pm)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Trace Moisture Concentration ^F	0.000 01 % mol fraction to 0.01 % mol fraction (0.000 01 % mol fraction LoD)	0.000 05 % mol fraction to 0.000 5 % mol fraction	Electrolytic ISO 6143
Trace Hydrocarbon Concentration ^F	0.000 01 % mol fraction to 10 % mol fraction (0.000 001 % mol fraction LoD)	0.000 02 % mol fraction to 0.23 % mol fraction	Flame Ionization Detector ISO 6143
Gas Mixture Concentration ^F	0.000 01 % mol fraction to 0.01 % mol fraction (0.000 001 % mol fraction LoD)	0.000 02 % mol fraction to 0.000 2 % mol fraction	Electrochemical Oxygen Analyzer ISO 6143
Trace Gas Mixture Concentration ^F	0.000 01 % mol fraction to 0.1 % mol fraction (0.000 01 % mol fraction LoD)	0.000 02 % mol fraction to 0.002 % mol fraction	GC with Pulsed Discharge Ionization Detector – PDID ISO 6143
Percent Oxygen Concentration ^F	1.0 % mol fraction to 100 % mol fraction (0.1 % mol fraction LoD)	0.1 % mol fraction	Paramagnetic Oxygen Analyzer ISO 6143
Binary Gas Mixture Concentration ^F		0.2 % mol fraction to 2 % mol fraction	TCD ISO 6143
Gravimetric Balance Gas Mixture Concentration ^F	0.000 01 % mol fraction to 100 % mol fraction	0.000 1 % mol fraction to 1 % mol fraction	Gravimetric Balance ISO 6142

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the CMC for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratories range of calibration capability for all disciplines for which they are accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.



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Accreditation is granted to the facility to perform the following calibrations:

3. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this calibration at its fixed location.
4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratories fixed location.
5. The term L represents length in inches or millimeters as appropriate to the uncertainty statement.
6. The term P represents pressure in units appropriate to the uncertainty statement.

