



CERTIFICATE OF NIST TRACEABLE CALIBRATION

Calibration Certificate No: 96481

Customer Information

Customer: ILRT Inc.
Address : 237 Phinney Road
Hannibal, NY 13074



Customer PO #: PO220205A

Calibration Procedure Information

Procedure ID: GTP Piston-Gauge

Revision #: 3

Revision Date: 11/29/2018

Calibration Standards Information

| <u>Graftel ID</u> | <u>Manufacturer</u> | <u>Model #</u> | <u>Description</u> | <u>CAL Due</u> |
|-------------------|---------------------|----------------|-------------------------|----------------|
| 14011 | Fluke | 2465-727 | Low-Mid Piston Cylinder | 2/28/2023 |
| 14013 | Fluke | 2456-800 | Piston Gauge Monitor | 3/2/2023 |
| 14014 | Fluke | 2465A-799 | Mass Set 1 - 14 | 3/2/2023 |
| 14016 | Fluke | 2455-11-006 | PRT | 3/2/2023 |
| T1830461 | Vaisala | HMW95D | RH/Temp. Logger | 6/17/2022 |
| 1A01JMGKP36 | Graftel | N/A | Digital Barometer | 6/16/2022 |

Sensor Information

Manufacturer: Paroscientific, Inc. Description: Digital Pressure Gauge Method Used: Piston Gauge
 Model #: 765-100A Rated Accuracy: ± 0.02 Difference Accuracy Specified By: Graftel
 Instrument ID#: II-0090 Range: 0 to 100 Condition: Functional
 Serial #: 114449

Comments: Calibration Date: 02-28-2022
Calibration Due: 08-28-2022

This calibration is Nuclear Safety Related. 10CFR50 Appendix B and 10CFR Part 21 apply.

The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). The reported calibration uncertainty has a confidence level of 95% (k=2). A calibration uncertainty ratio of 4:1 was maintained unless required uncertainty is supported by analysis. Graftel Quality Assurance System complies with applicable requirements of ISO/IEC-17025-2017, ANSI/NCSL Z540-I-1994 and ISO 9001. All results contained within this certificate relate only to item(s) calibrated. This certificate shall not be reproduced except in full and with the written consent of Graftel. Acceptance Criteria per Simple Acceptance Rule: Measurement Uncertainty is not applied to the measured value when in/out of tolerance statement is made.

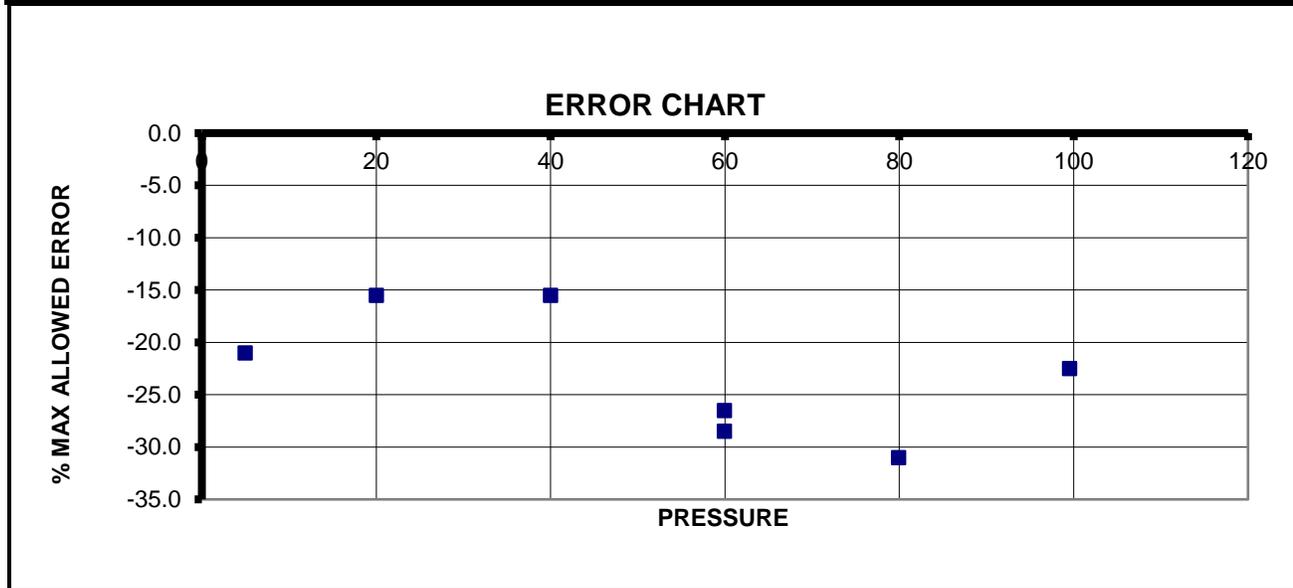
Performed By:  Date: 2/28/2022
Joselito Zosa
Calibration Technician

Approved By:  Date: 3/3/2022
Scott Pickett
Vice President, Lab Services

**ATTACHMENT TO CALIBRATION CERTIFICATE 96481
AS FOUND / AS LEFT DATA**

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| Reading From Standard, psia | Lower Limit of Meter Reading, psia | Measured Reading From Meter, psia | Upper Limit of Meter Reading, psia | Error, psia | Measurement Uncertainty, psia | STATUS |
|-----------------------------|------------------------------------|-----------------------------------|------------------------------------|-------------|-------------------------------|--------|
| 4.9601 | 4.9401 | 4.9559 | 4.9801 | -0.0042 | 0.0004 | Pass |
| 20.0193 | 19.9993 | 20.0162 | 20.0393 | -0.0031 | 0.0006 | Pass |
| 39.9854 | 39.9654 | 39.9823 | 40.0054 | -0.0031 | 0.0008 | Pass |
| 59.9521 | 59.9321 | 59.9464 | 59.9721 | -0.0057 | 0.0010 | Pass |
| 79.9192 | 79.8992 | 79.9130 | 79.9392 | -0.0062 | 0.0012 | Pass |
| 99.5477 | 99.5277 | 99.5432 | 99.5677 | -0.0045 | 0.0014 | Pass |
| 59.9531 | 59.9331 | 59.9478 | 59.9731 | -0.0053 | 0.0010 | Pass |



| INSTRUMENT SPECIFICATIONS | | |
|-------------------------------|-------|------------|
| Test Fluid | N2 | |
| Lower Range | 0 | psia |
| Upper Range | 100 | psia |
| Rated Accuracy | 0.02 | Difference |
| LABORATORY AMBIENT CONDITIONS | | |
| Pressure | 14.38 | psia |
| Humidity | 17.54 | % RH |
| Temperature | 72.59 | F |



FLOW - TEMPERATURE - HUMIDITY - PRESSURE - DESIGN - CONSULTING - ENGINEERING

NIST Traceable Calibration Data Sheet

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