



**STATE OF OKLAHOMA
BOARD OF TESTS FOR ALCOHOL AND DRUG INFLUENCE**

Post Office Box 36307

Oklahoma City, Oklahoma 73136-2307
Phone: (405) 425-2460 Fax: (405) 425-2490
www.bot.ok.gov

Dr. Jarrad Wagner, Ph.D. F-ABFT
Chairman

Joshua Smith
Director

ATTESTATION

I, the undersigned Joshua Smith (Director/Records Custodian), attest under oath pursuant to 12 O.S. §2902 (11)(a) this record was made, at or near the time of the occurrence of the matters set forth by or from information transmitted by a person having knowledge of those matters; was kept in the course of the regularly conducted business activity of the Board; and was made pursuant to the regularly conducted activity. The duplicate record provided is listed below:

- 1) The attached "Service Overview" is a true and accurate copy of maintenance performed on the Intoxilyzer 8000, serial number _____, in compliance with the agency's Maintenance Policy and Procedures.

This packet consists of _____ pages.

Signed 

Name of Position: Director/Records Custodian

Date of Attestation:

Service Overview

Board of Tests for Alcohol and Drug Influence
Enhancing public safety by ensuring the accuracy and scientific reliability
of blood and breath testing



3600 N. Martin Luther King Bldg #9
Oklahoma City, OK 73111
405-425-2460

BENCH CHECK DATE: 07-23-2020

SERIAL: 80-004923

DOCUMENTATION WITHIN SERVICE PACKET:

- BOT Certificate of Calibration and Operation
- CMI Certificate of Calibration 07-17-2020
- Bench Check
- Bench Check Technician's Report
- BOT Dry Gas Certificate of Analysis
- CMI Service Evaluation Form
- CMI Work Order
- Mock Subject Test
- BOT Certificates of Analysis on Certified Solutions (4)



**STATE OF OKLAHOMA
BOARD OF TESTS FOR ALCOHOL AND DRUG INFLUENCE**

Administrative Office at:
Board of Tests for Alcohol and Drug Influence
Post Office Box 36307
Oklahoma City, Oklahoma 73136-2307

Certificate of Calibration and Operation

This is to certify that the calibration of **INTOXILYZER 8000**, serial number 80-004923, manufactured by CMI Inc., a subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to be in compliance with National Highway Traffic Safety Administration Standard for Devices to Measure Breath Alcohol (F.R., No. 179 48705-48710 Sept. 17, 1993) and with International Recommendation OIML R 126 Edition 1998 (E). Calibration solutions are traceable to NIST standard material 1828.

In addition the operational procedures and functions of this Intoxilyzer have also been tested and found to be in compliance with the Oklahoma Board of Tests for Alcohol and Drug Influence - Rules and Regulations OAC Title 40: 25-1-2 and 30-1-3 and is hereby certified for use as an evidential breath testing device within this state.

| CERTIFICATION TYPE | DATE |
|----------------------------|----------|
| Manufacturer Calibration | 12-29-09 |
| Board of Tests Bench Check | 02-22-10 |
| Board of Tests Bench Check | 09-23-11 |
| Manufacturer Calibration | 09-25-13 |
| Board of Tests Bench Check | 09-30-13 |
| Manufacturer Calibration | 03-11-16 |
| Board of Tests Bench Check | 03-28-16 |
| Board of Tests Bench Check | 05-24-17 |
| Manufacturer Calibration | 09-22-17 |
| Board of Tests Bench Check | 11-28-18 |
| Board of Tests Bench Check | 12-10-19 |
| Manufacturer Calibration | 07-17-20 |
| Board of Tests Bench Check | 07-23-20 |
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Presentation of this form certifies that the Intoxilyzer, SN: 80-004923, functioned properly at the time of the breath test and hereby certifies the breath test result as valid.

Date:

Re: Request for Log of Test on Intoxilyzer 8000

Name:

Dear Sir:

The Log of Test information from a breath test conducted on a Intoxilyzer 8000 is printed in Section 2 of the Affidavit and is no longer retained as a separate form as with the Intoxilyzer 5000. The 8000 uses a nitrogen/ethanol dry gas for the external control test. The dry gas cylinder has the capacity to perform approximately 325 tests and does not require maintenance until its expiration date or can no longer provide the required pressure to perform a control test. The cylinder has an expiration date of two years from date filled at the manufacturer and is programmed in the 8000 upon installation, both dates are printed in Section 2 of the Affidavit. The Intoxilyzer is programmed to disable itself when the date of expiration is reached or the pressure monitor indicates 25 lbs psi.

Due to the reliability and stability of dry gas, maintenance on the 8000 is not required every 30 days or 25 tests, therefore maintenance is no longer performed by officers in the field. The Board of Tests for Alcohol and Drug Influence certifies each Intoxilyzer 8000 for field use by performing a bench check. The bench check is designed to check the operation and procedures programmed in the 8000 to ensure it is functioning properly for use in Oklahoma. A bench check is performed every time a new dry gas cylinder is installed or the instrument has returned from the manufacturer for repair. Once the instrument passes the bench check, all that is required to set it up for field use is to plug it in and turn it on and does not require a permit to set up. The Board of Tests has the ability to monitor each instrument once it is set up in the field.

Each Intoxilyzer has a database of valid permit numbers that it checks prior to allowing a breath test to be performed. The database is updated on a regular basis, if a permit number is invalid that officer will not be able to conduct a breath test on the 8000. If the 8000 prints an affidavit the breath test operator listed in Section 2 had a valid permit at the time of the test and the breath test is valid.

If you have any further questions please feel free to call me.

Sincerely,



J. Robert Blakeburn (OBA11059)
State Director of Tests for Alcohol
and Drug Influence

Certificate of Calibration

This is to certify the calibration of **Intoxilyzer**® serial number 80-004923, manufactured by CMI Inc., a subsidiary of MPD, Inc. of Owensboro, Kentucky, was tested and found to conform to the National Highway Traffic Safety Administration (NHTSA) Standard for Devices to Measure Breath Alcohol (Federal Register, Vol.58 No.179, pp 48705-48710, Sept. 17, 1993) for accuracy and precision. Reference materials are traceable through the National Institute of Standards and Technology (NIST) to the International System of Units (SI).

Date July 17, 2020 Signed Alice Joler

Technician

EMI INC.

316 East 9th Street
Owensboro, KY 42303
USA

Part No. 650517 Rev.A

**STATE OF OKLAHOMA - DEPARTMENT OF PUBLIC SAFETY
CMI INTOXILYZER BENCH CHECK PROCEDURE REPORT**

| | | |
|--------------------------------|-------------------------------|---|
| BENCH CHECK DATE 07/23/2020 | TIME PROCEDURE BEGAN 09:10 | INSTRUMENT LOCATION ALPHA INSTRUMENT 2 |
| INSTRUMENT TYPE Intoxilyzer | INSTRUMENT MODEL I-8000 | INSTRUMENT SERIAL NUMBER 80-004923 |

TEST RESULTS

Diagnostics

PASS

Mouth Alcohol Test

PASS

RFI Test

PASS

Abort Test

PASS

Improper Sample Test

PASS

Interferent Detect Test

PASS

No Sample Given Test

PASS

Insufficient Sample Test

PASS

Air Blank Contamination Test

PASS

Range Exceeded Test

PASS


Duplicate Breath Sampling Results

| Value | Test 1 | Test 2 | Control Test |
|-------|--------|--------|--------------|
| .02 | 0.019 | 0.019 | 0.019 |
| .04 | 0.039 | 0.039 | 0.040 |
| .10 | 0.097 | 0.097 | 0.098 |
| .20 | 0.200 | 0.197 | 0.198 |

PASS

CERTIFYING TECHNICIAN

I swear under penalty of perjury that in regards to the above listed instrument, I have complied with the Intoxilyzer Bench Checking Procedure approved by the State of Oklahoma.

| | |
|---|------------------------|
| SIGNATURE  23020 | DATE 7/23/2020 |
| NAME PAPE, CHRISTOPHER | PERMIT # 0000023020 |



3600 N. Martin Luther King Bldg #9
Oklahoma City, OK 73111
405-425-2460

BENCH CHECK TECHNICIAN'S REPORT

Date: 07/23/2020

Start Time: 09:10

End Time: 10:00

INSTRUMENT

Intoxilyzer Model

Serial #

8000

80-004923

GAS CANISTER

LOT #

EXP Date

N/A

N/A

REFERENCE

| Simulator Model | | | |
|--------------------------|------------|------------|------------|
| Guth 2100 | Guth 2100 | Guth 2100 | Guth 2100 |
| Serial # | | | |
| DR3591 | DR3468 | DR3667 | DR3754 |
| Concentration | | | |
| .02 | .04 | .10 | .20 |
| LOT # | | | |
| 19050 | 20060 | 20190 | 20160 |
| Manufactured Date | | | |
| 02/04/2019 | 02/10/2020 | 04/06/2020 | 03/18/2020 |
| Expiration Date | | | |
| 02/04/2021 | 02/10/2022 | 04/06/2022 | 03/18/2022 |
| Solution Commission Date | | | |
| 7/17/2020 | 7/22/2020 | 7/17/2020 | 7/17/2020 |

REASON FOR BENCH CHECK

- POST REPAIR CYLINDER REPLACEMENT
 TROUBLESHOOTING ROUTINE MAINTENANCE

COMMENTS

| |
|--|
| |
| |
| |
| |

 23020
 Technician Signature / Permit #

Christopher Pape #23020
 Printed Name

Service Evaluation Form

**This form MUST be completed and enclosed with instrument to be serviced.
Failure to complete and return this form may cause delays in service.**

(Note: please ship items in their original shipping container(s) or a similar protective box.)

1. Contact information: Customer Number **731362** (contact Customer Service)
Name: **Board of Tests** Phone: **(405) 425 2460**
Fax: **(405) 425 2490** Email: **christopher.pape@bot.ok.gov**

2. Bill to Address: **Board of Tests** Ship to Address: **Board of Tests**
3600 N ML King, Bldg 9 **3600 N ML King, Bldg 9**
OKC, OK 73111 **OKC, OK 73111**

3. Serial Number: **80-004923** Instrument Model: **Intoxilyzer 500 / 8000**

4. Detailed Description of Problem:
We are experiencing erratic results with .20 solutions. New solution measures .193 but on a recently repaired unit solution measures .198.

Hazardous Material Warning! - DO NOT return gas cylinders with instrument!

I Authorize Repairs Up To: All \$250 \$500 \$750 Other \$ _____
Purchase Order Number (attach a copy of P.O. if applicable) _____

Authorized By:

Ship to:

Chris Pape **Breath Testing Admin**
Name (Please Print) Title
 **07/08/2020**
Signature Date

CMI, Inc
Attn: Service Dept.
316 East Ninth Street
Owensboro, KY 42303

Call: 405-425-2460 or email

No, please send estimate before repairs are made.

Note: An estimate will be faxed before performing any repairs and may cause delays in service.
An evaluation fee (\$79.00 or actual costs) will apply to estimates that are not repaired.



316 E 9th Street / Owensboro KY 42303 / USA
 Phone: 866-835-0690 Fax: 270-685-6268

SERVICE WORK ORDER

405109

DATE: 7/14/2020

Bill To:

Oklahoma Board Of Tests
 Blvd Adcu Annex Bldg #9
 3600 Martin Luther King
 Oklahoma City, OK 73136-3000
 USA
 Customer #: 731362
 Phone: 405-425-2424
 Fax: 405-425-2490 fax

Ship To:

Oklahoma Board Of Tests
 Blvd Adcu Annex Bldg #9
 3600 Martin Luther King
 Oklahoma City OK 73136-3000
 USA
 Phone: 405-425-2424

MODEL #: 002480OK

Serial Number: 80-004923

BILL CODE: Out of Warranty

EXTRA PARTS RCVD:

BT, SHELF

DESCRIPTION OF PROBLEM

ERRATIC RESULTS WITH .20 SOLUTIONS

WORK PERFORMED:

Performed system checks. Autocal performed to correct low readings.

PARTS USED

| Seq. No. | Part | Description | Quantity |
|----------|--------|-----------------------------------|----------|
| 80 | 650517 | CERTIFICATE OF CALIBRATION | 2.00 EA |
| 90 | 441169 | COVER DUST, 5/8in x 1/2in | 1.00 EA |
| 100 | 470145 | CAP, PLASTIC, .25IDx.50LG, RED | 3.00 EA |
| 110 | 470154 | CAP, PLSTC, .406IDx.438-.562, RED | 1.00 EA |
| 120 | 470218 | SEAL, TAMPER EVIDENT, SERVICE | 1.00 EA |

LABOR / TESTING

| Misc Code | Description | Hours |
|-----------|------------------------------|-------|
| LABR | Service Repair Labor | |
| LCAL | Service - Calibration Adjust | 0.50 |
| LFT | Service - Cal / Final Test | 1.00 |

Technician Name: Gary Watts

SRV4051090001



Certificate of Analysis - Wet Bath

| | |
|-----------------------------------|--------------------------------|
| 12-10-19 | 0.020 |
| Date of Analysis | Labelled target value (g/210L) |
| 19050 | 0.020 |
| Lot Number | Value of result (g/210L) |
| JOSH SMITH | |
| BOT Technician Name and Signature | |



10/13

GUTH LABORATORIES, INC.
 590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

BRT Form 6.0

In accordance with BRT - 2.2.0, Maintenance, the above referenced simulator solution is suitable for use as an external reference in maintenance of the Intoxilyzer 8000.

*Rec'd
 JF
 12/2019*

CERTIFICATE OF ANALYSIS

ALPHA INSTRUMENT 2
 Intoxilyzer - Alcohol Analyzer
 Model 8000
 12/10/2019

SN 80-004923
 14:52

Certified Alcohol Reference Solution for Simulator

| Test | g/210L | Time |
|-----------------|--------|-------|
| Air Blank | 0.000 | 14:53 |
| Cal Check | 0.019 | 14:53 |
| Air Blank | 0.000 | 14:54 |
| Cal Check | 0.020 | 14:55 |
| Air Blank | 0.000 | 14:55 |
| Cal Check | 0.019 | 14:56 |
| Air Blank | 0.000 | 14:56 |
| Cal Check | 0.020 | 14:57 |
| Air Blank | 0.000 | 14:58 |
| Cal Check | 0.019 | 14:58 |
| Air Blank | 0.000 | 14:59 |
| Cal Check | 0.020 | 15:00 |
| Air Blank | 0.000 | 15:00 |
| Cal Check | 0.019 | 15:01 |
| Air Blank | 0.000 | 15:01 |
| Cal Check | 0.020 | 15:02 |
| Air Blank | 0.000 | 15:02 |
| Cal Check | 0.020 | 15:03 |
| Air Blank | 0.000 | 15:04 |
| Cal Check | 0.020 | 15:04 |
| Air Blank | 0.000 | 15:05 |
| Cal Check Stats | | |
| Average | 0.0196 | |
| Std Dev | 0.0005 | |
| Rel Std Dev(%) | 2.6345 | |

Random Samples of Lot Number **19050** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on February 5, 2019, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.0236%** (w/vol) ethyl alcohol. The expiration date for this lot number is February 4, 2021 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of **0.020 g/210L +/- 3%**.

The alcohol and water used in this solution were free of test interfering substances.

JF
 10837
 Operator's Signature

Ted L. Pauley
 Ted L. Pauley, President
 GUTH LABORATORIES, INC.

NIST Traceability:

Testing was conducted using Cerilliant Reference Standard lot number FN08031603 whose values are traceable to NIST. All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.

| Certificate of Analysis – Wet Bath | |
|---|--------------------------------|
| 7/22/2020 | 0.040 |
| Date of Analysis | Labelled target value (g/210L) |
| 20060 | 0.040 |
| Lot Number | Average test result (g/210L) |
| Christopher Pope BOT Technician Name and Signature | |



11/13

GUTH LABORATORIES, INC.
 107 NORTH 6TH STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470
 BRT Form 6.0

In accordance with BRT – 2.2.0, Maintenance, the above referenced simulator solution is suitable for use as an external reference in maintenance of the Intoxilyzer 8000.

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

RCV'D
6/1/20
CP

ALPHA UNIT SUB
 Intoxilyzer – Alcohol Analyzer
 Model 8000 SN 80-003400
 07/22/2020 14:57

Random Samples of Lot Number **20060** of

Alcohol Reference Solution for Simulator were analyzed by gas chromatography on February 11, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.0483%** (w/vol) ethyl alcohol. The expiration date for this lot number is **February 10, 2022** at 11:59 PM.

| Test | g/210L | Time |
|-----------------|--------|-------|
| Air Blank | 0.000 | 14:57 |
| Cal Check | 0.040 | 14:58 |
| Air Blank | 0.000 | 14:59 |
| Cal Check | 0.039 | 14:59 |
| Air Blank | 0.000 | 15:00 |
| Cal Check | 0.039 | 15:01 |
| Air Blank | 0.000 | 15:01 |
| Cal Check | 0.039 | 15:02 |
| Air Blank | 0.000 | 15:02 |
| Cal Check | 0.039 | 15:03 |
| Air Blank | 0.000 | 15:04 |
| Cal Check | 0.039 | 15:04 |
| Air Blank | 0.000 | 15:05 |
| Cal Check | 0.040 | 15:06 |
| Air Blank | 0.000 | 15:06 |
| Cal Check | 0.040 | 15:07 |
| Air Blank | 0.000 | 15:07 |
| Cal Check | 0.040 | 15:08 |
| Air Blank | 0.000 | 15:09 |
| Cal Check | 0.040 | 15:09 |
| Air Blank | 0.000 | 15:10 |
| Cal Check Stats | | |
| Average | 0.0395 | |
| Std Dev | 0.0005 | |
| Rel Std Dev(%) | 1.3342 | |

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of **0.040 g/210L +/- 3%**.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President
 GUTH LABORATORIES, INC.

Christopher Pope
 Operator's Signature

NIST Traceability:

Testing was conducted using Cerilliant Reference Standard lot number FN12181501 whose values are traceable to NIST.

All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.



| | | | |
|---|----------|--------------------------------|------|
| Date of Analysis | 06/16/20 | Labelled target value (g/210L) | .100 |
| Lot Number | 20190 | Average test result (g/210L) | .098 |
| BOT Technician Name and Signature: Josh Smith | | | |

GUTH LABORATORIES, INC.

BRT Form 6.0 GUTH LABORATORIES, INC. 17111-4511 • TELEPHONE: 717-564-5470

In accordance with BRT - 2.2.0, Maintenance, the above referenced simulator solution is suitable for use as an external reference in maintenance of the Intoxilyzer 8000.

REC'D
06/11/2020
[Signature]

CERTIFICATE OF ANALYSIS

ALPHA INSTRUMENT
Intoxilyzer - Alcohol Analyzer
Model 8000
06/16/2020
SN 80-002591
16:18

Certified Alcohol Reference Solution for Simulator

| Test | g/210L | Time |
|-----------------|--------|-------|
| Air Blank | 0.000 | 16:18 |
| Cal Check | 0.099 | 16:19 |
| Air Blank | 0.000 | 16:20 |
| Cal Check | 0.098 | 16:20 |
| Air Blank | 0.000 | 16:21 |
| Cal Check | 0.097 | 16:22 |
| Air Blank | 0.000 | 16:22 |
| Cal Check | 0.098 | 16:23 |
| Air Blank | 0.000 | 16:24 |
| Cal Check | 0.098 | 16:24 |
| Air Blank | 0.000 | 16:25 |
| Cal Check | 0.098 | 16:26 |
| Air Blank | 0.000 | 16:26 |
| Cal Check | 0.098 | 16:27 |
| Air Blank | 0.000 | 16:27 |
| Cal Check | 0.097 | 16:28 |
| Air Blank | 0.000 | 16:29 |
| Cal Check | 0.098 | 16:29 |
| Air Blank | 0.000 | 16:30 |
| Cal Check | 0.098 | 16:31 |
| Air Blank | 0.000 | 16:31 |
| Cal Check Stats | | |
| Average | 0.0979 | |
| Std Dev | 0.0005 | |
| Rel Std Dev(%) | 0.5798 | |

Random Samples of Lot Number 20190 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on April 8, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1206% (w/vol) ethyl alcohol. The expiration date for this lot number is April 6, 2022 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 3%.

The alcohol and water used in this solution were free of test interfering substances.

[Signature]
Operator's Signature

[Signature]
Ted L. Pauley, President
GUTH LABORATORIES, INC.

NIST Traceability:

Testing was conducted using Cerilliant Reference Standard lot number FN02271802 whose values are traceable to NIST.

All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.

| Certificate of Analysis - Wet Bath | |
|------------------------------------|--------------------------------|
| 07/07/2020 | 0.200 |
| Date of Analysis | Labelled target value (g/210L) |
| 20160 | 0.197 |
| Lot Number | Average test result (g/210L) |
| Christopher Pope | 0.2000 |
| BRT Technician Name and Signature | |



GUTH LABORATORIES, INC.
 550 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-584-5470

BRT Form 6.0

In accordance with BRT - 2.2.0, Maintenance, the above referenced simulator solution is suitable for use as an external reference in maintenance of the intoxilyzer 8000.

CERTIFICATE OF ANALYSIS

*RECD
05/2020
CP*

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **20160** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on March 20, 2020, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.2427% (w/vol) ethyl alcohol**. The expiration date for this lot number is **March 18, 2022** at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of **0.200 g/210L +/- 3%**.

The alcohol and water used in this solution were free of test interfering substances.

LPHM UNIT SUB
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SH 60-003400
 7/07/2020 15:25

| Test | g/210L | Time |
|----------------|--------|-------|
| ir Blank | 0.000 | 15:26 |
| al Check | 0.196 | 15:26 |
| ir Blank | 0.000 | 15:27 |
| al Check | 0.196 | 15:28 |
| ir Blank | 0.000 | 15:28 |
| al Check | 0.197 | 15:29 |
| ir Blank | 0.000 | 15:29 |
| al Check | 0.196 | 15:30 |
| ir Blank | 0.000 | 15:31 |
| al Check | 0.198 | 15:31 |
| ir Blank | 0.000 | 15:32 |
| al Check | 0.198 | 15:33 |
| ir Blank | 0.000 | 15:33 |
| al Check | 0.197 | 15:34 |
| ir Blank | 0.000 | 15:35 |
| al Check | 0.198 | 15:35 |
| ir Blank | 0.000 | 15:36 |
| al Check | 0.198 | 15:37 |
| ir Blank | 0.000 | 15:37 |
| al Check | 0.197 | 15:38 |
| ir Blank | 0.000 | 15:38 |
| al Check Stats | | |
| Average | 0.1971 | |
| Std Dev | 0.0008 | |
| Rel Std Dev(%) | 0.4442 | |

[Signature]
 Operator's Signature

[Signature]
 Ted L. Pauley, President
 GUTH LABORATORIES, INC.

NIST Traceability:
 Testing was conducted using Cerilliant Reference Standard lot number FN08101505 whose values are traceable to NIST.
 All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.