



**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: 07-08-2020

SERIAL: 80-003400

DOCUMENTATION WITHIN SERVICE PACKET:

- Memorandum Designation Letter for Alpha assignment
- BOT Certificate of Calibration and Operation
- CMI Certificate of Calibration 06-30-2020
- Bench Check
- Bench Check Technician's Report
- CMI Service Evaluation Form
- CMI Work Order
- BOT Certificates of Analysis on Certified Solutions (4)

Certificate of Calibration

This is to certify the calibration of **Intoxilyzer**® serial number 80-003400, 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 June 30, 2020

Signed Alice Joler

Technician

CMI INC.

316 East 9th Street
Owensboro, KY 42303
USA

Part No. 650517 Rev.A



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

Dr. Kenneth E. Blick, Ph.D.
Chairman

Post Office Box 36307
Oklahoma City, Oklahoma 73136-2307
Phone: (405) 425-2460 Fax: (405) 425-2490
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Joshua Smith
State Director

MEMORANDUM

Date: 07/07/2020

Effective immediately while Alpha unit one and Alpha unit two are at service with the manufacturer, CMI, MPD Inc. Intoxilyzer 8000 serial number 80-003400 shall be activated as the substitute Alpha unit.

Respectfully,

A handwritten signature in blue ink, appearing to be "J. Smith", is written over the word "Respectfully," and extends down into the typed name "Joshua Smith".

Joshua Smith
Director
Oklahoma Board of Tests for Alcohol and Drug Influence
PO Box 36307
3600 N Martin Luther King Ave
Oklahoma City, OK 73136
(O)405-425-2460
(F)405-425-2490
Joshua.smith@bot.ok.gov

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

**STATE OF OKLAHOMA - BOARD OF TESTS FOR ALCOHOL AND DRUG INFLUENCE
CMI INTOXILYZER BENCH CHECK PROCEDURE REPORT**

BENCH CHECK DATE 07/08/2020	TIME PROCEDURE BEGAN 09:02:1	INSTRUMENT LOCATION ALPHA UNIT SUB
INSTRUMENT TYPE Intoxilyzer	INSTRUMENT MODEL I-8000	INSTRUMENT SERIAL NUMBER 80-003400

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

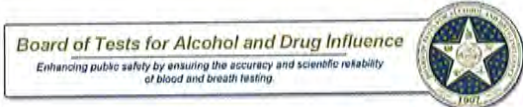
Value	Test 1	Test 2	Control Test
.02	0.019	0.019	0.019
.04	0.038	0.037	0.037
.10	0.098	0.097	0.098
.20	0.199	0.196	0.195

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 	DATE 7/8/2020
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: 07/08/2020 **Start Time:** 08:30 **End Time:** 09:45

INSTRUMENT

Intoxilyzer Model	Serial #
8000	80-003400

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	19080	20190	20160
Manufactured Date			
02/04/2019	03/04/2019	04/06/2020	03/18/2020
Expiration Date			
02/04/2021	03/04/2021	04/06/2022	03/18/2022
Solution Commission Date			
7/7/2020	7/7/2020	7/7/2020	7/7/2020

REASON FOR BENCH CHECK

- POST REPAIR CYLINDER REPLACEMENT
- TROUBLESHOOTING ROUTINE MAINTENANCE

COMMENTS

Unit is being designated as "Alpha Unit Sub" until Alpha Units 1 & 2 are returned from CMI for maintenance and calibration.

Christopher Pape 23020

Technician Signature / Permit #

Christopher Pape #23020
 Printed Name

CMI INC.

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: **joshua.smith@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: **80-003400** Instrument Model: **Intoxilyzer 500 / 8000**

4. Detailed Description of Problem:
Unit experienced cal chk out of tolerance. Has occurred a few times in the past 6 months.

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:

Joshua Smith **Director**

Name (Please Print) Title
 **06/18/2020**

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.

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

Service Estimate: 405059

Bill To: Oklahoma Board Of Tests Blvd Adcu Annex Bldg #9 3600 Martin Luther King Oklahoma City OK 73136-3000 USA	Customer Number: 731362	Ship To: Oklahoma Board Of Tests Blvd Adcu Annex Bldg #9 3600 Martin Luther King Oklahoma City OK 73136-3000 USA	PO #:
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Technician Name: Dewayne Varvel

BT, SHELF

Part Number/Description	Service Call Type
0024800K UNIT ASSY,18000,IMAGER/ETH/IMA	Out of Warranty

Job: SRV4050590001

Our Part 0024800K

Serial Number(s): **80-003400**

Job Material			Quantity	Est. Unit Price	Est. Ext. Price
Seq. No.	Part	Description			
80	650517	CERTIFICATE OF CALIBRATION	2.00	EA 0.00	0.00
90	441169	COVER DUST,5/8in x 1/2in	1.00	EA 0.00	0.00
100	470145	CAP,PLASTIC, .25IDx.50LG,RED	3.00	EA 0.00	0.00
110	470154	CAP,PLSTC, .406IDx.438-.562,RED	1.00	EA 0.00	0.00
120	470218	SEAL,TAMPER EVIDENT,SERVICE	1.00	EA 0.00	0.00
140	330523	CABLE,BATTERY,18000	1.00	EA 11.84	11.84
150	530030	TUBING,TYGON, .375IDx.562OD	3.00	IN 0.05	0.15
160	020982	SOURCE ASSY	1.00	EA 646.90	646.90
170	690040	BATTERY,3VOLT,LITHIUM,CR2032	1.00	EA 5.44	5.44

Labor, Freight, & Misc. Charges		Est. Ext. Price
Misc Code	Description	
LABR	Service Repair Labor	267.00
LCAL	Service - Calibration Adjust	45.00
LFT	Service - Cal / Final Test	85.00
SVFT	Freight - Service	60.00
EVAL	Service Evaluation Charge	83.00
Total:		1,204.33

NOTE: THIS ESTIMATE IS BASED ON OUR INITIAL INSPECTION AND DOES NOT INCLUDE ADDITIONAL PARTS OR LABOR WHICH MAY BE REQUIRED AFTER REPAIR WORK HAS BEEN STARTED. IF ADDITIONAL ISSUES ARE FOUND, YOU WILL BE NOTIFIED AND AN UPDATED ESTIMATE WILL BE PROVIDED FOR APPROVAL.

AN EVALUATION FEE WILL APPLY TO ESTIMATES THAT ARE NOT REPAIRED.

PLEASE SIGN AND PROVIDE TO CMI BY:

- SCAN AND EMAIL TO: CMISERVICE@ALCOHOLTEST.COM
- FAX TO: 270-685-6268
- MAIL TO: CMI SERVICE, 316 EAST 9TH STREET, OWENSBORO, KY 42303

APPROVED BY:  DATE: 06/25/2020

***TAX NOT INCLUDED**



SERVICE WORK ORDER

DATE: 6/22/2020

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

405059

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: 80-003400

BILL CODE: Out of Warranty

EXTRA PARTS RCVD:

BT, SHELF

DESCRIPTION OF PROBLEM

CAL CHECK OUT OF TOLERANCE

WORK PERFORMED:

replaced parts listed; calibrated/ final tested;

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
140	330523	CABLE,BATTERY,I8000	1.00 EA
150	530030	TUBING,TYGON,.375IDx.562OD	3.00 IN
160	020982	SOURCE ASSY	1.00 EA
170	690040	BATTERY,3VOLT,LITHIUM,CR2032	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: Dewayne Varvel

SRV4050590001



Certificate of Analysis - Wet Bath	
12-10-19	.020
Date of Analysis	Labeled target value (g/210L)
19050	.020
Lot Number	Pyralis (g/210L)
JOSH SMITH	
BOT Technician Name and Signature	



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
12/2019
[Signature]

CERTIFICATE OF ANALYSIS

ALPHA INSTRUMENT 2
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004923
 12/10/2019 14:52

Certified Alcohol Reference Solution for Simulator

Test	g/210L	Time
Air Blank	0.009	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	15:03
Cal Check	0.020	15:04
Air Blank	0.000	15:04
Cal Check	0.020	15:05
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.

[Signature] 10937
 Operator's Signature

[Signature]

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	
12-10-19	.040
Date of Analysis	Labeled tar (R) value (g/210L)
19080	.040
Lot Number	Result (g/210L)
JOSH SMITH	
BOT Technician Name and Signature	



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

*Rec'd
12/20/19*

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

ALPHA INSTRUMENT 2
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 80-004923
 12/10/2019 15:16

Certified Alcohol Reference Solution for Simulator

Test	g/210L	Time
Air Blank	0.000	15:17
Cal Check	0.040	15:17
Air Blank	0.000	15:18
Cal Check	0.040	15:19
Air Blank	0.000	15:19
Cal Check	0.040	15:20
Air Blank	0.000	15:20
Cal Check	0.040	15:21
Air Blank	0.000	15:22
Cal Check	0.040	15:22
Air Blank	0.000	15:23
Cal Check	0.040	15:24
Air Blank	0.000	15:24
Cal Check	0.040	15:25
Air Blank	0.000	15:25
Cal Check	0.039	15:26
Air Blank	0.000	15:27
Cal Check	0.039	15:27
Air Blank	0.000	15:28
Cal Check	0.039	15:29
Air Blank	0.000	15:29
Cal Check Stats		
Average	0.0397	
Std Dev	0.0004	
Rel Std Dev(%)	1.2167	

Random Samples of Lot Number 19080 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on March 5, 2019, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.0481% (w/vol) ethyl alcohol. The expiration date for this lot number is March 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 0.040 g/210L +/- 3%.

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

J. Smith
 16837
 Operator's Signature

Ted L. Pauley

Ted L. Pauley, President
 GUTH LABORATORIES, INC.

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.

Certificate of Analysis – Wet Bath

14/15



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

GUTH LABORATORIES, INC.

1000 N. MARKET ST. PHILADELPHIA, PA 19107-4511 • 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 16037

[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 Weight value (g/210L)
20160	0.197
Lot Number	Average test result (g/210L)
Christopher Pope	2.5030
BOT Technician Name and Signature	



GUTH LABORATORIES, INC.
 650 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

*Rec'd
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.

LP10R UNIT SUB
 Intoxilyzer - Alcohol Analyzer
 Model 8000 SN 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	

Christopher Pope
 Operator's Signature

Ted L. Pauley

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.