



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY
ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED
By: [Signature] Date: 1/17/2020

REPORT #7

Complete this report in duplicate at the time of the regular monthly preventative maintenance check, and whenever instrument is repaired. Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN 105443	PRINTER SN 099.3586.172	DATE OF INSPECTION 01/03/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 100 Municipal Cir. Raymore		TIME OF INSPECTION 9:42 pm

CHECKLIST: Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

- DIGITAL READOUT (ALL ELEMENTS OPERATIONAL)
- TEMPERATURE OF ALCO SENSOR (10°C - 40°C)
- PRINTER WORKING PROPERLY
- TIME AND DATE DISPLAYING PROPERLY

BREATH ALCOHOL ACCURACY STANDARDS

- SIMULATOR SOLUTION COMPRESSED ETHANOL-GAS MIXTURE
- STANDARD SUPPLIER Guth Laboratories, Inc. LOT # 18370 EXP. DATE 12/05/2020
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN SD 2256 SIMULATOR EXP DATE 07/06/2020

- CALIBRATION CHECK – (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)
Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)
 - 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE
 - 0.080% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE
 - 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 .100	TEST 2 .100	TEST 3 .100
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- RFI DETECTOR OPERATING

**INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:
(DO NOT INCLUDE SELF-ADMINISTERED TESTS)**

REFUSALS	0	(0-.04)	0	(.05-.09)	0	(.10-.14)	0	(.15-.19)	0	(OVER .19)	0
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List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

Replaced printer ribbon with new one.

INSPECTING OFFICER	
SIGNATURE	PRINT NAME Thomas Williams
TYPE II PERMIT NUMBER/EXPIRATION DATE 290060 - 03/01/2021	TELEPHONE NUMBER (816) 331-0530

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office
2875 James Boulevard
Poplar Bluff, MO 63901

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 00904

Temp Date Time 210L

a/

Air Blank:
01/03/20 21:43 .000
Calibration Check:
22 01/03/20 21:43 .100

Subject Name

Test 1

Subject I.D.
Thomas Williams
#290060

Operator Name, I.D.

Location

Raymore P.D.

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 00905

Temp Date Time 210L

a/

Air Blank:
01/03/20 21:51 .000
Calibration Check:
23 01/03/20 21:51 .100

Subject Name

Test 2

Subject I.D.
Thomas Williams
Operator Name, I.D.

290060

Location

Raymore PD

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 00906

Temp Date Time 210L

a/

Air Blank:
01/03/20 21:58 .000
Calibration Check:
23 01/03/20 21:58 .100

Subject Name

Test 3

Subject I.D.
Thomas Williams
Operator Name, I.D.

*290060

Location

Raymore PD

AS IV Serial no: 105443
Version no: 532B

TEST RECORD 00907

Temp Date Time 210L

a/

VOID: RFI
12 01/03/20 22:01

Subject Name

Test RFI

Subject I.D.
Thomas Williams
Operator Name, I.D.
#290060

Location

Raymore PD



GUTH LABORATORIES, INC.

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

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **18370** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 6, 2018**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1218%** (w/vol) ethyl alcohol. The expiration date for this lot number is **December 5, 2020** at 11:59 PM.

When used in a calibrated Simulator, operating at $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$, this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L** \pm 3%.

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

Ted L. Pauley, President
GUTH LABORATORIES, INC.

NIST Traceability:

Testing was conducted using Cerilliant Reference Standard lot number FN04271602 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.



SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: SD2256 **Manufacturer:** Guth
Model Number: 10-4D
Agency: RAYMORE PD
Agency Address: 100 MUNICIPAL CIRCLE, RAYMORE, MO 64083

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00689 **Bias:** 0.00
Uncertainty: 0.02
Date of Certification: 12/11/2018 **Date of Expiration:** 12/11/2019

ENVIRONMENTAL CONDITIONS

The environmental conditions during testing are within the tolerances of DHSS BAP method 3.

VERIFICATION RESULTS

<u>Simulator Average</u>	<u>NIST Average</u>	<u>Combined Uncertainty</u>
34.00	33.99	.03

The combined uncertainty is calculated with a k=2 value.

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 7/26/2019
Certification Expiration: 7/26/2020
Simulator testing technician: D. DEBOARD

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER
Certification No: SD2256_7262019

X

DHSS BAP Scientist Approving



STATE OF MISSOURI
 DEPARTMENT OF HEALTH AND SENIOR SERVICES
 BREATH ALCOHOL PROGRAM



**PERMIT
 TYPE II**

THOMAS WILLIAMS

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

ALCO-SENSOR IV WITH PRINTER, INTOX EC/IR II

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 3/1/2019

NUMBER 290060

EXPIRES 3/1/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

 **STATE OF MISSOURI**
 DEPARTMENT OF HEALTH AND SENIOR SERVICES
 BREATH ALCOHOL PROGRAM

INSTRUMENT OPERATOR CARD

The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.

Operator WILLIAMS, THOMAS
Permit No 290060
Date Issued 3/1/2019 **Date Expires** 3/1/2021

