



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

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 111756	NAME OF AGENCY GRAIN VALLEY POLICE DEPARTMENT	DATE OF INSPECTION 12/26/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 711 N. MAIN, GRAIN VALLEY, MO		TIME OF INSPECTION 0331 hours

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 LOT # 21380 EXP. DATE 09/13/2023
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIM. SN SD1434 SIM. NIST EXP DATE 09/07/2023

- 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 ➔ 0.104	TEST 2 ➔ 0.103	TEST 3 ➔ 0.102
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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-.04)	(.05-.09)	(.10-.14)	(.15-.19)	(OVER .19)
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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).

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME SHANNON L. CARR
TYPE II PERMIT NUMBER/EXPIRATION DATE 220219 / 09/09/2024	TELEPHONE NUMBER (816) 847-6250

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.

AS IV Serial no: 111756
Version no: 532B

TEST RECORD 00126

Temp	Date	Time	g/ 210L
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Air Blank:
12/26/22 03:31 .000
Calibration Check:
15 12/26/22 03:31 .104

Subject Name

TEST 1

Subject I.D.

Operator Name, I.D.

SHANNON L. CARL 220219

Location

711 N. MAIN

GRAIN VALLEY, MO

AS IV Serial no: 111756
Version no: 532B

TEST RECORD 00127

Temp	Date	Time	g/ 210L
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Air Blank:
12/26/22 03:33 .000
Calibration Check:
16 12/26/22 03:33 .103

Subject Name

TEST 2

Subject I.D.

Operator Name, I.D.

SHANNON L. CARL 220219

Location

711 N. MAIN

GRAIN VALLEY, MO

AS IV Serial no: 111756
Version no: 532B

TEST RECORD 00128

Temp	Date	Time	g/ 210L
------	------	------	------------

Air Blank:
12/26/22 03:34 .000
Calibration Check:
18 12/26/22 03:34 .102

Subject Name

TEST 3

Subject I.D.

Operator Name, I.D.

SHANNON L. CARL 220219

Location

711 N. MAIN

GRAIN VALLEY, MO

AS IV Serial no: 111756
Version no: 532B

TEST RECORD 00129

Temp	Date	Time	g/ 210L
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VOID: RFI
12 12/26/22 03:36

Subject Name

TEST 4

Subject I.D.

Operator Name, I.D.

SHANNON L. CARL 220219

Location

711 N. MAIN

GRAIN VALLEY, MO



GUTH LABORATORIES, INC.
800 NORTH 47th STREET • HANNOVER, PA 17115-4111 • TELEPHONE: 717-564-5200



Missouri Department of Health and Senior Services
P.O. Box 700 Jefferson City, MO 65101-0700 Phone: 573-751-8400 FAX: 573-751-5010
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2288 VOICE 1-800-735-2288



Paula Midmon
Acting Director

Michael L. Petersen
Governor


CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 21380 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 15, 2021, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1214% (w/vol) ethyl alcohol. The expiration date for this lot number is September 13, 2023 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.


Ted L. Pauley, President
GUTH LABORATORIES, INC.

*NIST Traceability:
Testing was conducted using Certified Reference Standard lot number EN81052803 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: SD1434 Manufacturer: Outh
Model Number: 1Q-4D
Agency: GRAIN VALLEY PD
Agency Address: 711 MAIN ST, GRAIN VALLEY, MO 64029

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.01
Uncertainty: 0.02
Date of Certification: 11/10/2021 Date of Expiration: 11/10/2022

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	34.00	.03


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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 9/7/2022
Certification Expiration: 9/7/2023
Simulator testing technician: R. SCHILDKNECHT
Notes on Condition: none
Deviation(s) from method: none

DHSS BAP Scientist Approving: BRIANNA MEDRANO
Certification No: SD1434_972022

X 

DHSS BAP Scientist Approving

Simulator Calibration Certification
Issued by Lab Manager, DHSS BAP
Revision Date: 06/25/2022

Breath Alcohol Program
1903 Northwood Drive, Suite 4
Papier Bluff, MO 63901

DHSS BAP Document 3.6A
Revision 2
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GUTH LABORATORIES, INC.
500 NORTH 6TH STREET • HARRISBURG, PA 17111-4811 • TELEPHONE: 717.544.1500

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 21380 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on September 15, 2021, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.12149% (w/vol) ethyl alcohol. The expiration date for this lot number is September 13, 2023 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.


Ted L. Pauley, President
GUTH LABORATORIES, INC.

NIST Traceability:
Testing was conducted using Certified Reference Standard lot number F903052M02 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.



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

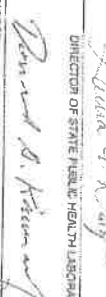
**PERMIT
TYPE II**

SHANNON L. CARR

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, INTOXILYZER 8000

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 9/9/2022
NUMBER 220219
EXPIRES 9/9/2024
MO 068 071 (6-90)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY
DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES
LAB 4 98-01

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES
BREATH ALCOHOL PROGRAM
INSTRUMENT OPERATOR CARD
The named certificate is authorized to operate an expiratory device as stated in Missouri Code of State Operations of the alcoholic content in breath (unit of alcohol) and Permit No. 220219
Operator: SHANNON L. CARR
Date Issued: 9/9/2022 Date Expires: 9/9/2024
