



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 105444	NAME OF AGENCY City of Clever Police Dept	DATE OF INSPECTION 03/09/2022
LOCATION OF INSTRUMENT (STREET AND CITY) 210 S Clarke St, Clever, MO 65631		TIME OF INSPECTION 1630 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

<input checked="" type="checkbox"/> SIMULATOR SOLUTION	<input type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER Guth Laboratories LOT # 21080 EXP. DATE 03/08/2023	
<input checked="" type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIM. SN SD2259 SIM. NIST EXP DATE 05/11/2022	

- 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 - 0.099 %	TEST 2 - 0.099 %	TEST 3 - 0.098 %
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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).

Maintenance was conducted within DHSS rules and regulations.

INSPECTING OFFICER

SIGNATURE <i>Dillon Petersen</i>	PRINT NAME Dillon Petersen
TYPE II PERMIT NUMBER/EXPIRATION DATE 210108 05/18/2023	TELEPHONE NUMBER (417) 743-5109

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: 105444
Version no: 532B

TEST RECORD 00846

Temp Date Time ^{s/} 210L

Air Blank:
03/09/22 16:42 .000
Calibration Check:
23 03/09/22 16:42 .099

Subject Name

Test 1

Subject I.D.

Operator Name, I.D.

Dillon Petersen 210108

Location

210 S Clarke Ave

Clever, MO 65631

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00847

Temp Date Time ^{s/} 210L

Air Blank:
03/09/22 16:44 .000
Calibration Check:
23 03/09/22 16:44 .099

Subject Name

Test 2

Subject I.D.

Operator Name, I.D.

Dillon Petersen 210108

Location

210 S Clarke Ave

Clever, MO 65631

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00848

Temp Date Time ^{s/} 210L

Air Blank:
03/09/22 16:45 .000
Calibration Check:
24 03/09/22 16:45 .098

Subject Name

Test 3

Subject I.D.

Operator Name, I.D.

Dillon Petersen 210108

Location

210 S Clarke Ave

Clever, MO 65631

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00849

Temp Date Time ^{s/} 210L

VOID: RFI
12 03/09/22 16:47

Subject Name

RFI Test

Subject I.D.

Operator Name, I.D.

Dillon Petersen 210108

Location

210 S Clarke Ave

Clever, MO 65631

AS IV Serial no: 105444
Version no: 532B

TEST RECORD 00850

Temp Date Time ^{s/} 210L

Air Blank:
03/09/22 16:49 .000
Calibration Check:
26 03/09/22 16:49 .000

Subject Name

Blank Test

Subject I.D.

Operator Name, I.D.

Dillon Petersen 210108

Location

210 S Clarke Ave

Clever, MO 65631



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 **21080** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **March 10, 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 **March 8, 2023** 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 FN03052002 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.



Missouri Department of Health and Senior Services

P.O. Box 570, Jefferson City, MO 65102-0570 Phone: 573-751-6400 FAX: 573-751-6010
RELAY MISSOURI for Hearing and Speech Impaired 1-800-735-2966 VOICE 1-800-735-2466

Robert J. Knodell
Acting Director



Michael L. Parson
Governor

SIMULATOR CERTIFICATION REPORT

SIMULATOR INFORMATION

Simulator Serial Number: SD2259 Manufacturer: Guth
Model Number: 10-4D
Agency: CLEVER.PD
Agency Address: 304 S CLARKE ST, CLEVER, MO 65631

NIST THERMOMETER INFORMATION

Serial Number: 17KMM00690 Bias: 0.00
Uncertainty: 0.02
Date of Certification: 11/6/2020 Date of Expiration: 11/6/2021

ENVIRONMENTAL CONDITIONS

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

VERIFICATION RESULTS

Table with 3 columns: Simulator Average (33.99), NIST Average (34.00), Combined Uncertainty (.03)

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

ADJUSTMENT RESULTS

No adjustment was needed.

Date of testing: 5/11/2021
Certification Expiration: 5/11/2022
Simulator testing technician: M. BOND

Notes on Condition: none

Deviation(s) from method: none

DHSS BAP Scientist Approving: B. LUTMER

Certification No: SD2259_5112021

Handwritten signature of B. Lutmer

DHSS BAP Scientist Approving



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

2

PERMIT
TYPE II
DILLON PETERSEN

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

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 5/18/2021

NUMBER 210108

EXPIRES 5/18/2023

MO 580-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (RG-10)

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 PETERSEN, DILLON
 Permit No 210108
 Date Issued 5/18/2021 Date Expires 5/18/2023