



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

RECEIVED

By Carol Day at 7:36 am, Jul 20, 2016

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 111325	PRINTER SN 099.3586.611	DATE OF INSPECTION 07/20/2016
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LOCATION OF INSTRUMENT (STREET AND CITY) 360 Chestnut Street, Osceola (St. Clair County Sheriff's Office)	TIME OF INSPECTION 1:02 am
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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 LOT # 16040 EXP. DATE 01/20/2018

SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0 SIMULATOR SN DR2471 SIMULATOR EXP DATE 02/17/2017

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 .102%

TEST 2 .102%

TEST 3 .102%

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)	1	(.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).

Instrument operating within established DOH limits

INSPECTING OFFICER	
SIGNATURE 	PRINT NAME Anthony L. Helms
TYPE II PERMIT NUMBER/EXPIRATION DATE 260099 02/22/2018	TELEPHONE NUMBER (417) 646-2565

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: 111325
Version no: 532B

TEST RECORD 00100

Temp Date Time ^{s/} 210L

Air Blank:
07/20/16 01:02 .000
Subject Test: Auto
32 07/20/16 01:02 .000

Subject Name

Blank

Subject I.D.

T. Helms

Operator Name, I.D.

T. Helms 260099

Location

SCSO

AS IV Serial no: 111325
Version no: 532B

TEST RECORD 00101

Temp Date Time ^{s/} 210L

Air Blank:
07/20/16 01:04 .000
Calibration Check:
32 07/20/16 01:04 .102

Subject Name

Test # 1

Subject I.D.

T. Helms

Operator Name, I.D.

T. Helms 260099

Location

SCSO

AS IV Serial no: 111325
Version no: 532B

TEST RECORD 00105

Temp Date Time ^{s/} 210L

Air Blank:
07/20/16 01:11 .000
Calibration Check:
32 07/20/16 01:11 .102

Subject Name

Test # 2

Subject I.D.

T. Helms

Operator Name, I.D.

T. Helms 260099

Location

SCSO

AS IV Serial no: 111325
Version no: 532B

TEST RECORD 00106

Temp Date Time ^{s/} 210L

Air Blank:
07/20/16 01:13 .000
Calibration Check:
32 07/20/16 01:13 .102

Subject Name

Test # 3

Subject I.D.

T. Helms

Operator Name, I.D.

T. Helms 260099

Location

SCSO

AS IV Serial no: 111325
Version no: 532B

TEST RECORD 00107

Temp Date Time ^{s/} 210L

VOID: RFI
12 07/20/16 01:18

Subject Name

RFI check

Subject I.D.

T. Helms

Operator Name, I.D.

T. Helms 260099

Location

SCSO



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 **16040** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **January 22, 2016**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1213%** (w/vol) ethyl alcohol. The expiration date for this lot number is **January 20, 2018** 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 FN08051301 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

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**PERMIT
 TYPE II**

ANTHONY L HELMS

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 2/22/2016

NUMBER 260099

EXPIRES 2/22/2018

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (6-10)

LAB-4 (R6-10)



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 HELMS, ANTHONY
 Permit No 260099
 Date Issued 2/22/2016 Date Expires 2/22/2018