

REVIEWED  
By Carol Day at 12:25 pm, Oct 28, 2014



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 104293	PRINTER SN 07B.3590.034	DATE OF INSPECTION 10/11/14
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LOCATION OF INSTRUMENT (STREET AND CITY) 7010 N HOWMES	TIME OF INSPECTION 1345
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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 LABS LOT # 1688116 EXP. DATE 06/04/2017
- SIMULATOR TEMPERATURE (34°C ± 0.2°C) \_\_\_\_\_ SIMULATOR SN \_\_\_\_\_ SIMULATOR EXP DATE \_\_\_\_\_
- 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 * .101
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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)	1	(.05-.09)	0	(.10-.14)	2	(.15-.19)	0	(OVER .19)	1
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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 <i>Terrell Allen</i>	PRINT NAME TERRILL ALLEN
TYPE # PERMIT NUMBER/EXPIRATION DATE 240341 09/22/10	TELEPHONE NUMBER (816) 436 3550

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



CERTIFICATE OF ANALYSIS
EBS - ETHANOL BREATH STANDARD

GUTH LABORATORIES INC
590 NORTH 67TH STREET
HARRISBURG, PA 17111

INVOICE#: 55693667
PO#: 2030940
CUST. ITEM #: DG-U100-10
DATE: Jun. 11, 2014

METHOD OF ANALYSIS: IR Breath Alcohol Analyzer
ANALYTICAL ACCURACY: +/-0.002 BrAC or +/-2% whichever is greater.
CALGAZ LOT#: 1688116
ETHANOL IN NITROGEN

PRODUCT EXPIRATION: Jun. 04, 2017

Table with 3 columns: COMPONENT, PPM, ( BrAC ). Rows include ETHANOL (260.5), NITROGEN (BAL), and AVERAGE ANALYTICAL VALUE (ETHANOL: 261.8).

Table with 3 columns: REFERENCE STANDARD, CYLINDER, CONCENTRATION PPM. Row: N.M.I. TRACEABLE STANDARDS\* (5603479, 208.4)

\* CERTIFICATION TRACEABLE TO National Metrology Institute of the Netherlands (V.S.L.) PRM ETHANOL STANDARDS

TRACEABILITY

Preparation: Gas mixtures manufactured with balances calibrated by an ISO 17025 accredited company using NIST traceable weights and meets or exceeds the requirements of NIST Handbook 44. Calibration test CG/01/09/14/DW01, CG/01/09/14/DW02, CG/01/09/14/DW03, or CG/01/09/14/DW04 dated, 9th January 2014 applies.

Analytical:

Analytical Instruments Calibrated Using NMI Traceable Standards. Certification Numbers: 3222253-01, 3222399, 3222311, 3222450-01, 3222450-02, 3221852-04

No affecting environmental conditions during analysis.

\*NMI is recognized by NIST through the Mutual Recognition Agreement (CIEM MRA). CALGAZ calibration devices were found to meet all applicable requirements of the National Highway Traffic Safety Administration Model Specifications for calibrating units for breath alcohol testers.

MANUFACTURED DATE: Jun. 04, 2014

CALGAZ CYLINDER SIZE: 6D

APPROVED BY : [Signature]

\*We certify that all the cylinders for the Lot numbers identified herein are manufactured and tested within the requirements of CFR 49 part 178.65 and that physical and chemical test reports are on file and copies will be furnished upon request.\*

AS IV Serial no: 104293  
Version no: 5323

TEST RECORD: 00063

Temp: Date: Time: 210L

Air Blank:  
10/11/14 13:02 .000  
Calibration Check:  
24 10/11/14 13:02 .182

Subject Name

Subject I.D.

Operator Name: J.H.

*J. Cell 8565*

Location

AS IV Serial no: 104293  
Version no: 5323

TEST RECORD: 00064

Temp: Date: Time: 210L

Air Blank:  
10/11/14 13:03 .000  
Calibration Check:  
24 10/11/14 13:03 .182

Subject Name

Subject I.D.

Operator Name: J.H.

*J. Cell 8565*

Location

AS IV Serial no: 104293  
Version no: 5323

TEST RECORD: 00065

Temp: Date: Time: 210L

Air Blank:  
10/11/14 13:03 .000  
Calibration Check:  
25 10/11/14 13:03 .181

Subject Name

Subject I.D.

Operator Name: J.H.

*J. Cell 8565*

Location

AS IV Serial no: 104293  
Version no: 5323

TEST RECORD: 00066

Temp: Date: Time: 210L

Air Blank:  
10/11/14 13:02

Subject Name

Subject I.D.

Operator Name: J.H.

*J. Cell 8565*

Location



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

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**PERMIT  
 TYPE II**

**TERRILL D ALLEN**

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 9/22/2014

NUMBER 240341

EXPIRES 9/22/2016

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

,acting director

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 ALLEN, TERRILL  
 Permit No 240341  
 Date Issued 9/22/2014 Date Expires 9/22/2016