



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

RECEIVED  
 BY: [Name] DATE: [Date]

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 108268	NAME OF AGENCY St. Charles City Police Department	DATE OF INSPECTION 06/08/2021
LOCATION OF INSTRUMENT (STREET AND CITY) 1781 Zumbühl Road, St. Charles, MO 63303		TIME OF INSPECTION 9:04 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**

<input type="checkbox"/> SIMULATOR SOLUTION	<input checked="" type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Intoximeters</u>	LOT # <u>AG028101</u> EXP. DATE <u>10/07/2022</u>
<input type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C)	SIM. SN _____ SIM. NIST 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  .098	TEST 2  .098	TEST 3  .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)	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).

N/A

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME Stephen Gresham
TYPE II PERMIT NUMBER/EXPIRATION DATE 290245 10/16/2021	TELEPHONE NUMBER (636) 949-3300

**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: 108268  
Version no: 532B

TEST RECORD 00857

Temp	Date	Time	g/ 210L
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Air Blank:  
06/08/21 21:04 .000  
Subject Test: Auto  
32 06/08/21 21:04 .000

Subject Name  
BLANK TEST  
Subject I.D.

Operator Name, I.D.  
GRESHAM, 290245  
Location  
1781 ZUMBEHL ROAD  
ST. CHARLES, MO 63303

AS IV Serial no: 108268  
Version no: 532B

TEST RECORD 00858

Temp	Date	Time	g/ 210L
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Air Blank:  
06/08/21 21:07 .000  
Calibration Check:  
33 06/08/21 21:07 .098

Subject Name  
TEST # 1  
Subject I.D.

Operator Name, I.D.  
GRESHAM, 290245  
Location  
1781 ZUMBEHL ROAD  
ST. CHARLES, MO 63303

AS IV Serial no: 108268  
Version no: 532B

TEST RECORD 00859

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

Air Blank:  
06/08/21 21:08 .000  
Calibration Check:  
33 06/08/21 21:08 .098

Subject Name  
TEST # 2  
Subject I.D.

Operator Name, I.D.  
GRESHAM, 290245  
Location  
1781 ZUMBEHL ROAD  
ST. CHARLES, MO 63303

AS IV Serial no: 108268  
Version no: 532B

TEST RECORD 00860

Temp	Date	Time	g/ 210L
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Air Blank:  
06/08/21 21:10 .000  
Calibration Check:  
33 06/08/21 21:10 .098

Subject Name  
TEST # 3  
Subject I.D.

Operator Name, I.D.  
GRESHAM, 290245  
Location  
1781 ZUMBEHL ROAD  
ST. CHARLES, MO 63303

AS IV Serial no: 108268  
Version no: 532B

TEST RECORD 00861

Temp	Date	Time	g/ 210L
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VOID: RFI  
12 06/08/21 21:12

Subject Name  
RFI TEST  
Subject I.D.

Operator Name, I.D.  
GRESHAM, 290245  
Location  
1781 ZUMBEHL ROAD  
ST. CHARLES, MO 63303



Airgas USA LLC (LAB)

3500 Bernard Street

St. Louis, Mo. 63103

Ph: (314) 533-3100

Fax: (314) 533-7328

## Certificate of Analysis

**Customer Name**

Exclusive Supplier  
Intoximeters, Inc.  
2081 Craig Road  
St. Louis, Mo 63146

**Test Date:** 7-Oct-2020

**Lot # AG028101 Model 108cacd**

**Exp. Date**

7-Oct-2022

**Cyl. Type**

108

**Component**

Ethanol  
Nitrogen

**Certified Concentration**

0.100 ± 2% BrAC (272 ppm)  
Balance

**Certification Traceable to N.I.S.T. RGM and to CRM Ethanol Standards:**

**RGM Serial No.**

EB0010581

**Concentration**

392.1 ppm

EB0010570

259.8 ppm

EB0010285

208.0 ppm

EB0010561

103.6 ppm

EB0010681

52.12 ppm

**RGM Serial No.**

EB0010603

**Concentration**

393.0 ppm

EB0010559

258.2 ppm

EB0010595

208.3 ppm

EB0010562

104.2 ppm

EB0010579

52.81 ppm

**CRM Serial No.**

CC434668

**Concentration**

800.0 ppm

CC234503

253.0 ppm

**CRM Serial No.**

0056649

**Concentration**

390.1 ppm

0056662

150.2 ppm

**Analytical Method:**

NDIR

Digitally signed by Quality Control  
Date: 2020.10.09 13:18:27 -05:00  
Reason: Dry gas standard certification of analysis  
Location: Airgas USA LLC (Lab)

Approved for Release:

Rod Marsala

**ISO 17025:2005 A2LA accredited. Certificate Number 3082.06**

**ISO 17034:2016 A2LA accredited. Certificate Number 3082.07**



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



**PERMIT  
 TYPE II**

**STEPHEN L GRESHAM**

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 10/16/2019

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 290245

EXPIRES 10/16/2021

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

MO 580-0771 (8-10)

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** GRESHAM, STEPHEN  
**Permit No** 290245  
**Date Issued** 10/16/2019    **Date Expires** 10/16/2021

