



**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 107973	PRINTER SN 099.3586.816	DATE OF INSPECTION 11/06/2020
LOCATION OF INSTRUMENT (STREET AND CITY) 690 Chesterfield Pkwy W, Chesterfield MO		TIME OF INSPECTION 5:46 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**

SIMULATOR SOLUTION  COMPRESSED ETHANOL-GAS MIXTURE

STANDARD SUPPLIER ILMO LOT # 1781908011 EXP. DATE 08/05/2021

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 ➡ 0.078	TEST 2 ➡ 0.078	TEST 3 ➡ 0.077
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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).

Instrument is operating within the Missouri Department of Health Specifications.

**INSPECTING OFFICER**

SIGNATURE <i>G. Rupp #264</i>	PRINT NAME G. Rupp #264
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TYPE II PERMIT NUMBER/EXPIRATION DATE 290094 / 04/22/2021	TELEPHONE NUMBER 636-537-3000
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**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: 107973  
Version no: 532B

TEST RECORD 00757

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
11/06/20 17:46 .000  
Calibration Check:  
24 11/06/20 17:46 .078

Subject Name

Test #1

Subject I.D.

G. ROPP # 264

Operator Name, I.D.

290094

Location

690 Chesterfield  
Pkwy W

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00758

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
11/06/20 17:47 .000  
Calibration Check:  
25 11/06/20 17:47 .078

Subject Name

Test # 2

Subject I.D.

G. ROPP # 264

Operator Name, I.D.

290094

Location

690 Chesterfield  
Pkwy W

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00759

Temp Date Time <sup>a/</sup> 210L

Air Blank:  
11/06/20 17:49 .000  
Calibration Check:  
26 11/06/20 17:49 .077

Subject Name

Test #3

Subject I.D.

G. ROPP # 264

Operator Name, I.D.

290094

Location

690 Chesterfield  
Pkwy W

AS IV Serial no: 107973  
Version no: 532B

TEST RECORD 00760

Temp Date Time <sup>a/</sup> 210L

VOID: RFI  
12 11/06/20 17:50

Subject Name

RFI Test

Subject I.D.

G. ROPP # 264

Operator Name, I.D.

290094

Location

690 Chesterfield  
Pkwy W



7 Eastgate Dr. • P.O. Box 790 • Jacksonville, IL 62651-0790  
217-245-2183 • Fax: 217-243-7634 • www.ilmoproducts.com

## Certificate of Analysis

**Certificate ID:** 12199  
**Part #:** BAC108L080I  
**Cylinder Size:** 108L  
**Lot Number:** 17819080I1  
**Expiration:** 8/5/2021

**0.080 BAC** (For the calibration of instruments used to determine breath alcohol concentration)

**Contents:** 108 Liters @ 1200 psig 70°F (21°C)

Component:	Reported Concentration:	Analytical Accuracy (U, k=2):	Analytical Method:
Ethanol	218 ppm	+/- 0.002 BAC (G/210L) [5.2 ppm]	NDIR
Nitrogen	Balance		

**\*Traceable to:**

Certified Reference Material - 262.4 µmol/mol  
Ethanol in Nitrogen - Serial No. GN0015026 Lot No. 050319E11

Store in dry area, away from sources of heat, ignition and direct sunlight. Do not allow storage area to exceed 52 °C (125 °F).

  
Specialty Gas Lab Tech

07-05-19  
Date



The calibration results within this certificate were obtained using equipment and standards capable of producing analytical results traceable to NIST, and apply only to the items contained on this certificate. ILMO Products Company makes no warranty or representation as to the suitability of the use of any information provided for any particular purpose. The information use is at the sole discretion and risk of the user. Liability shall be limited to established replacement cost of this material or service.

**ISO/IEC 17025:2005 Accredited Laboratory**



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



**PERMIT**  
**TYPE II**  
**GREGORY RUPP**

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, INTOX EC/IR II**

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 4/22/2019

NUMBER 290094

EXPIRES 4/22/2021

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

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** RUPP, GREGORY  
**Permit No** 290094  
**Date Issued** 4/22/2019    **Date Expires** 4/22/2021

