



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

**RECEIVED**

By Tracy Crews at 3:06 pm, Sep 01, 2020

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 108393	NAME OF AGENCY St. Louis County Police Department	DATE OF INSPECTION 09/01/2020
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LOCATION OF INSTRUMENT (STREET AND CITY) 14301 South Outer 40 Road, Chesterfield	TIME OF INSPECTION 09:06
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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**

<input type="checkbox"/> SIMULATOR SOLUTION	<input checked="" type="checkbox"/> COMPRESSED ETHANOL-GAS MIXTURE
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<input checked="" type="checkbox"/> STANDARD SUPPLIER <u>Intoximeters</u> LOT # <u>AG829708</u> EXP. DATE <u>10/24/2020</u>
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<input type="checkbox"/> SIMULATOR TEMPERATURE (34°C ± 0.2°C) _____ SIM. SN _____ SIM. NIST EXP DATE _____
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- 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 → <b>0.097</b>	TEST 2 → <b>0.097</b>	TEST 3 → <b>0.097</b>
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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).

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**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME <b>PO Jahns</b>
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TYPE II PERMIT NUMBER/EXPIRATION DATE <b>290039 / 02/20/2021</b>	TELEPHONE NUMBER <b>( 636 ) 529-8210</b>
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**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: 188393  
Version no: 532B

TEST RECORD 00563

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
09/01/20 09:08 .000  
Calibration Check:  
20 09/01/20 09:08 .097

Subject Name

Cal Check #1

Subject I.D.

N/A

Operator Name, I.D.

Jahns 375

Location

MoDot TMC

AS IV Serial no: 188393  
Version no: 532B

TEST RECORD 00565

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
09/01/20 09:12 .000  
Calibration Check:  
21 09/01/20 09:12 .097

Subject Name

Cal Check #3

Subject I.D.

N/A

Operator Name, I.D.

Jahns 375

Location

MoDot TMC

AS IV Serial no: 188393  
Version no: 532B

TEST RECORD 00564

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
09/01/20 09:10 .000  
Calibration Check:  
20 09/01/20 09:10 .097

Subject Name

Cal Check #2

Subject I.D.

NA

Operator Name, I.D.

Jahns 375

Location

MoDot TMC

AS IV Serial no: 188393  
Version no: 532B

TEST RECORD 00566

Temp Date Time <sup>9/</sup> 210L

Air Blank:  
09/01/20 09:14

Subject Name

RFI Check

Subject I.D.

N/A

Operator Name, I.D.

Jahns 375

Location

MoDot TMC



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:** 25-Oct-2018

**Lot #** AG829708 **Model** 108cacc

**Exp. Date**

24-Oct-2020

**Cyl. Type**

108

**Component**

Ethanol

Nitrogen

**Certified Concentration**

0.100 ± 2% BrAC (272 ppm)

Balance

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

**Serial No.**

EB0010581

EB0010570

EB0010285

EB0010561

EB0010681

**Concentration**

392.1 ppm

259.8 ppm

208.0 ppm

103.6 ppm

52.12 ppm

**Serial No.**

EB0010603

EB0010559

EB0010596

EB0010562

EB0010579

**Concentration**

393.0 ppm

258.2 ppm

208.3 ppm

104.2 ppm

52.81 ppm

**Analytical Method:**

NDIR

Digitally signed by Quality Control  
Date: 2018.10.25 14:13:39 -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



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

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**PERMIT  
 TYPE II**

**KYLE JAHNS**

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 DMT**

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 2/20/2019

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

NUMBER 290039

EXPIRES 2/20/2021

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES