



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES
STATE PUBLIC HEALTH LABORATORY

ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT

RECEIVED

By Tracy Crews at 8:39 am, Apr 03, 2023

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 042311	PRINTER SN 099.3586.572	DATE OF INSPECTION 03/31/2023
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LOCATION OF INSTRUMENT (STREET AND CITY) SCCPD / 101 Sheriff Dierker Court, O'Fallon, Missouri 63366	TIME OF INSPECTION 10:36 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 Intoximeters LOT # AG109701 EXP. DATE 04/07/2023

☐ 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 ➡ .080

TEST 2 ➡ .080

TEST 3 ➡ .080

☒ 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).

INSPECTING OFFICER

SIGNATURE 

PRINT NAME
Jeffery Piant Jr

TYPE II PERMIT NUMBER/EXPIRATION DATE
230051/ 03/27/2025

TELEPHONE NUMBER
(636) 949-3000

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: 042311
Version no: 532C

TEST RECORD 00479

Temp Date Time 210L

Air Blank:

03/31/23 10:36 .000

Calibration Check:

22 03/31/23 10:36 .000

Subject Name

Test 1

Subject I.D.

Operator Name, I.D.

Piant / 230051

Location

SCPD

AS IV Serial no: 042311
Version no: 532C

TEST RECORD 00479

Temp Date Time 210L

Air Blank:

03/31/23 10:38 .000

Calibration Check:

23 03/31/23 10:39 .000

Subject Name

Test 2

Subject I.D.

Operator Name, I.D.

Piant / 230051

Location

SCPD

AS IV Serial no: 042311
Version no: 532C

TEST RECORD 00480

Temp Date Time 210L

Air Blank:

03/31/23 10:40 .000

Calibration Check:

24 03/31/23 10:40 .000

Subject Name

Test 3

Subject I.D.

Operator Name, I.D.

Piant / 230051

Location

SCPD

AS IV Serial no: 042311
Version no: 532C

TEST RECORD 00481

Temp Date Time 210L

UOIN: RFI

12 03/31/23 10:41

Subject Name

RFI

Subject I.D.

Operator Name, I.D.

Piant / 230051

Location

SCPD

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Test Results:
00458 Calibration Check
13 02/24/23 08:05 .067
00.0 Lit. 00.0 Sec.
00459 Calibration Check
14 02/24/23 08:07 .080
00.0 Lit. 00.0 Sec.
00460 Calibration Check
15 02/24/23 08:08 .093
00.0 Lit. 00.0 Sec.
00461 Calibration Check
16 02/24/23 08:10 .087
00.0 Lit. 00.0 Sec.
00462 Calibration Check
17 02/24/23 08:12 .097
00.0 Lit. 00.0 Sec.
00463 Calibration Check
18 02/24/23 08:32 .083
00.0 Lit. 00.0 Sec.
00464 Calibration Check
18 02/24/23 08:34 .084
00.0 Lit. 00.0 Sec.
00465 Calibration Check
19 02/24/23 08:36 .084
00.0 Lit. 00.0 Sec.
00466 (01): ZFI
12 02/24/23 08:37
00.0 Lit. 00.0 Sec.
00467 Subject Test: Auto
20 02/24/23 08:38 .090
33.1 Lit. 04.1 Sec.
00468 Subject Test: Auto
21 02/24/23 15:38 .060
33.7 Lit. 07.6 Sec.
00469 Subject Test: Auto
21 02/24/23 15:39 .060
31.8 Lit. 03.7 Sec.
00470 Subject Test: Auto
21 02/24/23 15:41 .060
31.8 Lit. 03.8 Sec.
00471 Subject Test: Auto
22 02/24/23 15:42 .090
32.9 Lit. 05.9 Sec.
00472 Subject Test: Auto
22 02/24/23 15:44 .060
32.8 Lit. 05.8 Sec.
00473 Subject Test: Auto
22 02/24/23 15:45 .060
31.5 Lit. 03.7 Sec.
00474 Subject Test: Auto
23 02/24/23 15:47 .060
32.2 Lit. 07.1 Sec.
00475 Subject Test: Auto
23 02/24/23 15:49 .060
31.7 Lit. 03.2 Sec.
00476 Subject Test: Auto
23 02/24/23 15:52 .060
30.7 Lit. 03.1 Sec.
00477 Subject Test: Auto
24 02/24/23 15:54 .038
31.5 Lit. 03.2 Sec.

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[illegible][illegible]



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-Apr-2021

Lot # AG109701 Model 108cacc

Exp. Date

7-Apr-2023

Cyl. Type

108

Component

Ethanol

Nitrogen

Certified Concentration

0.082 ± 0.002 BrAC (223 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.

CC727481

Concentration

800.0 ppm

CC727496

253.0 ppm

CRM Serial No.

CC727493

Concentration

390.0 ppm

CC727498

150.0 ppm

Analytical Method:

NDIR

Digitally signed by Quality Control
Date: 2021.04.07 17:42:01 -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
JEFFERY PIANT JR.

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 3/27/2023

NUMBER 230051

EXPIRES 3/27/2025

Mike Massman

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

Paula J. Nielson

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 PIANT JR., JEFFERY

Permit No 230051

Date Issued 3/27/2023 Date Expires 3/27/2025

