



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 094804	NAME OF AGENCY KANSAS CITY MISSOURI POLICE DEPT	DATE OF INSPECTION 02/21/2023
LOCATION OF INSTRUMENT (STREET AND CITY) 9701 MARION PARK DRIVE, KANSAS CITY, MO 64137		TIME OF INSPECTION 12:21 am

**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 # AG132803 EXP. DATE 11/24/2023
- 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  .078	TEST 2  .078	TEST 3  .077
--------------	--------------	--------------

- 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)	1	(OVER .19)	4
----------	---	---------	---	-----------	---	-----------	---	-----------	---	------------	---

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 MEETS ALL DHSS STANDARDS AND GUIDELINES.

**INSPECTING OFFICER**

SIGNATURE 	PRINT NAME P.O. MATTHEW FRANCOIS #5844
TYPE II PERMIT NUMBER/EXPIRATION DATE 220275-12/21/2024	TELEPHONE NUMBER (816) 482-8143

**Return completed report to the:** Breath Alcohol Program, MO Department of Health and Senior Services, Southeast District Office by mail, fax, or email.



Airgas USA LLC (LVA)  
 3500 Bernard Street  
 St. Louis, Mo. 63103  
 Pk. 014) 533-3100  
 Fax: (314) 533-7328

Certificate of Analysis

Test Date: 29-Nov-2021

Customer Name  
 Includes Supplier  
 Includes Site #/ID  
 2081 Craig Road  
 St. Louis, Mo 63146

Lot # AG132803 Model 108

Exp Date 24-Nov-2023 Cyl Type 108 Component Ethanol Nitrogen Certified Concentration 0.082 ± 0.002 BRAC (223 ppm)

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

RGM Serial No.	Concentration	RGM Serial No.	Concentration
EB0010581	392.1 ppm	EB0010603	393.0 ppm
EB0010582	259.0 ppm	EB0010593	258.2 ppm
EB0010266	259.0 ppm	EB0010595	208.3 ppm
EB0010561	103.6 ppm	EB0010592	107.42 ppm
EB0010681	52.12 ppm	EB0010579	52.81 ppm
CRM Serial No.	Concentration	CRM Serial No.	Concentration
CC234503	800.0 ppm	0056649	390.4 ppm
CC234503	253.0 ppm	0056652	150.2 ppm

Analytical Method: NDIR

Public Chemical Industry Council  
 Reference Unit providing certification of analysis  
 Permit 120212 12022

Approved for Release:

*Rod Mersala*  
 Rod Mersala

ISO 17025:2017 A2LA accredited. Certificate Number 5082.06  
 ISO 17034:2016 A2LA accredited. Certificate Number 5082.07



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

**PERMIT**  
 TYPE II

MATTHEW FRANCOIS



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, INTOXILYZER 8000**

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 12/21/2022

NUMBER 220225

EXPIRES 12/21/2024

MO 588.071 (b) (6)

*Michelle Johnson*  
 DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

*David S. Redden*  
 DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LVA-1 (Rev. 01/10)

STATE OF MISSOURI  
 DEPARTMENT OF HEALTH AND SENIOR SERVICES  
 BREATH ALCOHOL PROGRAM  
**INSTRUMENT OPERATOR CARD**

The name of the operator shall be printed in the space provided on the instrument. The name of the operator shall be printed on the instrument. The name of the operator shall be printed on the instrument.

Operator: FRANCOIS, MATTHEW  
 Permit #: 220225  
 Date Issued: 12/21/2022 Date Expires: 12/21/2024

AS IV Serial no: 094804  
Version no: 532B

TEST RECORD 01012

Temp	Date	Time	g/ 210L
Air Blank:			
	02/21/23	00:21	.000
Calibration Check:			
27	02/21/23	00:21	.078

Air Blank:  
02/21/23 00:21 .000  
Calibration Check:  
27 02/21/23 00:21 .078

Subject Name

TEST

Subject I.D.

1

Operator Name, I.D.

FRANCOIS 220275

Location

9701 MARION PARK DR

AS IV Serial no: 094804  
Version no: 532B

TEST RECORD 01013

Temp	Date	Time	g/ 210L
Air Blank:			
	02/21/23	00:24	.000
Calibration Check:			
28	02/21/23	00:24	.078

Air Blank:  
02/21/23 00:24 .000  
Calibration Check:  
28 02/21/23 00:24 .078

Subject Name

TEST

Subject I.D.

2

Operator Name, I.D.

FRANCOIS 220275

Location

9701 MARION PARK DR

AS IV Serial no: 094804  
Version no: 532B

TEST RECORD 01014

Temp	Date	Time	g/ 210L
Air Blank:			
	02/21/23	00:26	.000
Calibration Check:			
29	02/21/23	00:26	.077

Air Blank:  
02/21/23 00:26 .000  
Calibration Check:  
29 02/21/23 00:26 .077

Subject Name

TEST

Subject I.D.

3

Operator Name, I.D.

FRANCOIS 220275

Location

9701 MARION PARK DR

AS IV Serial no: 094804  
Version no: 532B

TEST RECORD 01015

Temp	Date	Time	g/ 210L
VOID: RFI			
12	02/21/23	00:28	

VOID: RFI  
12 02/21/23 00:28

Subject Name

TEST

Subject I.D.

4

Operator Name, I.D.

FRANCOIS 220275

Location

9701 MARION PARK DR