



ARIZONA DEPARTMENT OF PUBLIC SAFETY

INTOXILYZER MAINTENANCE REPORT

CR NO. 1800018580010

Page 1 of 1

AGENCY Goodyear Police Department
Goodyear, AZ 85338
OFFICER MIYAZATO, #1139
DATE September 01, 2021



INSTRUMENT

80001858

INSTRUMENT LOCATION

Goodyear Police Department

MAINTENANCE REQUESTED

Preventative Maintenance

MAINTENANCE PERFORMED

Preventative Maintenance Performed:

Inspection, Calibration, Verification

Erin E Boone

ERIN E. BOONE, #5823, Forensic Scientist
Central Regional Crime Laboratory
2102 W. Encanto Blvd., Phoenix, AZ 85009
602-223-2281 eboone@azdps.gov

EXHIBIT G-2
THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY A.A.C. R13-10-104 (A)

ARIZONA DEPARTMENT OF PUBLIC SAFETY

STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 8000

STANDARD CALIBRATION CHECK PROCEDURE

QA SPECIALIST KM 19126 TO 1139 AGENCY GOODYEAR
DATE 9/7/21 TIME 1358
INTOXILYZER SERIAL # 80-001858 LOCATION 11 N 145TH AVE

1. Ensure that gas tank is attached to instrument and contains a standard alcohol concentration solution .100 AC.
OR
Pour a standard alcohol concentration solution _____ AC, into a clean dry simulator and assemble the simulator. Ensure that a tight seal has been made. Turn on the simulator and allow temperature to reach $34^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$
2. Intoxilyzer 8000 display reads "PUSH BUTTON TO START"
3. Go to the "Control Testing Menu". Select "D" for dry control test or "W" for wet control test. After selection is made press ENTER.
4. Air blank completed.
5. Calibration check completed. Test results 0. 099 AC.
6. Air blank completed.
7. Remove printed record. Attach the record to the completed checklist.

SIGNATURE [Signature] 1139

INTOXILYZER 8000
Location: 11 N 145TH AVE
Serial Number: 80-001858
Core Version: 8105.48
09/07/2021 13:58:42

Standard Lot#: 15421100A4
Last Changed By: K. MIYAZATO #1139

QAS: K. MIYAZATO #1139
GOODYEAR PD

Operator: K. MIYAZATO #1139
GOODYEAR PD

Test	g/210L	Time
Air Blank	0.000	13:59:12
0.100 Cal Check	0.099	13:59:33
Air Blank	0.000	14:00:02

Preventative Maintenance
Performed -- Timer Reset



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: 14003
Part #: BAC105L100T
Cylinder Size: 105L
Lot Number: 15421100A4
Expiration: 8/5/2023

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

Contents: 105 Liters @ 1000 psig 70°F (21°C)

Component:	Reported Concentration:	Analytical Accuracy (U, k=2):	Analytical Method:
Ethanol	260 ppm	+/-0.002 BAC(G/210L) [5.2 ppm]	NDIR
Nitrogen	Balance		

Distributed by:

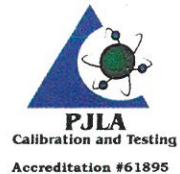
CMI Inc.
316 East Ninth Street
Owensboro, KY 42303
Phone 866-835-0690
www.alcoholtest.com

*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

07-19-2021
Issuance 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.

Section 1: Product and Company Identification

ILMO Products Company
7 Eastgate Drive, Jacksonville, Illinois 62650
217-245-2183 800-424-9300 (Chemtrek)

Fax 217-243-7634
E-mail: info@ilmo-products.com
Web: www.ilmo-products.com

Product Code: Ethanol in Nitrogen
Part Number: BAC

Section 2: Hazards Identification



Warning

Hazard Classification:
Gases Under Pressure

Hazard Statements:
Contains gas under pressure; may explode if heated

Precautionary Statements

Storage:
Protect from sunlight.
Store in well-ventilated place.

Section 3: Composition/Information on Ingredients

	CAS #	Concentration
Ethanol	64-17-5	5-500 ppm
Nitrogen	7727-37-9	Balance

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	Methods for Cleanup	Other Information
Ethanol	Small spills: Absorb with sand or other noncombustible material. Collect spilled material in appropriate container for disposal. Large spills: Dike for later disposal.	Not available
Nitrogen	NA	NA

Section 7: Handling and Storage

	Handling	Storage
Ethanol	Store and use with adequate ventilation. Firmly secure cylinders upright to keep them from falling or being knocked over. Screw valve protection cap firmly in place by hand. Store only where temperature will not exceed 125°F (52°C). Store full and empty cylinders separately. Use a first-in, first-out inventory system to prevent storing full cylinders for long periods.	Do not get liquid in eyes, on skin, or clothing. Protect cylinders from damage. Use a suitable hand truck to move cylinders; do not drag, roll, slide, or drop. Open valve slowly. Close cylinder valve after each use; keep closed even when empty. If valve is hard to open, discontinue use and contact your supplier.
Nitrogen	Store and handle in accordance with all current regulations and standards. Subject to storage regulations: U.S. OSHA 29 CFR 1910.101.	Keep separated from incompatible substances.

Section 8: Exposure Controls/Personal Protection

	Exposure Guidelines
Ethanol	ETHYL ALCOHOL, 100%: ETHYL ALCOHOL (ETHANOL): 1000 ppm (1900 mg/m ³) OSHA TWA 1000 ppm ACGIH TWA 1000 ppm (1900 mg/m ³) NIOSH recommended TWA 10 hour(1)
Nitrogen	NITROGEN, COMPRESSED GAS: NITROGEN: ACGIH (simple asphyxiant)

Engineering Controls

Handle only in fully enclosed systems.

	Eye Protection	Skin Protection	Respiratory Protection
Ethanol	Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.	Wear appropriate chemical resistant clothing.	Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.
Nitrogen	Eye protection not required, but recommended.	Protective clothing is not required.	Respiratory protection may be needed for frequent or heavy exposure.

General Hygiene considerations

- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

Section 9: Physical and Chemical Properties

	Physical State	Appearance	Color	Change in Appearance	Physical Form	Odor	Taste
Ethanol	Liquid	Clear	Colorless	NA	Volatile liquid	Pleasant odor	Burning taste
Nitrogen	Gas	Clear	Colorless	N/A	Gas	Odorless	Tasteless

	Flash Point	Flammability	Partition Coefficient	Autoignition Temperature	Upper Explosive Limits	Lower Explosive Limits
Ethanol	55 F (13 C)	IB	Not available	685 F (363 C)	0.19	0.033
Nitrogen	Not flammable	Not available	Not available	Nonflammable	Nonflammable	Nonflammable

	Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
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	Chemical Substance	Chemical Family	Trade Names
Ethanol	ETHYL ALCOHOL, 100%	hydroxy, aliphatic, alcohols, aliphatic	ETHANOL; ETHYL ALCOHOL; 4; ALCOHOL; ALCOHOL ANHYDROUS; ALGRAIN; ALHYDROL; Absolute alcohol; Anhydrous ethanol; Ethanol denatured; Fermentation alcohol; Grain alcohol; 1-Hydroxyethane; Methyl carbinol; Ethyl alcohol anhydrous; Absolute ethanol; Denatured ethanol; ETHYL HYDRATE; ETHYL HYDROXIDE; JAYSOL; TECSOL; STCC 490515; UN 1172; C2H6O
Nitrogen	NITROGEN, COMPRESSED GAS	Inorganic gases	DIATOMIC NITROGEN; DINITROGEN; NITROGEN; NITROGEN-14; NITROGEN GAS; UN 1066; N2

Section 4: First Aid Measures

	Skin Contact	Eye Contact	Ingestion	Inhalation	Note to Physicians
Ethanol	Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.	Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.	Contact local poison control center or physician immediately. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention immediately.	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.	For ingestion, consider gastric lavage.
Nitrogen	Wash exposed skin with soap and water.	Flush eyes with plenty of water.	If a large amount is swallowed, get medical attention.	If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.	For inhalation, consider oxygen.

Section 5: Fire Fighting Measures

	Suitable Extinguishing Media	Products of Combustion	Protection of Firefighters
Ethanol	Alcohol resistant foam, carbon dioxide, regular dry chemical, water, alcohol resistant foam (large fires); Use alcohol-resistant foam or flood with fine water spray.	Carbon monoxide, carbon dioxide, and toxic and irritating fumes	<ul style="list-style-type: none"> Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.
Nitrogen	Non-flammable. Use suitable extinguishing media for surrounding fire. Cylinders may rupture or explode if exposed to heat.	Non-flammable	Respiratory protection may be needed for frequent or heavy exposure.

Section 6: Accidental Release Measures

	Personal Precautions	Environmental Precautions	Methods for Containment
Ethanol	Keep unnecessary people away. Isolate hazard area and deny entry. Stay upwind and keep out of low areas.	Avoid heat, flames, sparks and other sources of ignition.	Stop leak if possible without personal risk. Reduce vapors with water spray. Remove sources of ignition.
Nitrogen	Keep unnecessary people away. Isolate hazard area and deny entry. Stay upwind and keep out of low areas.	No significant effects from contamination expected.	Stop leak if possible without personal risk.

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	Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
Ethanol	172 F (78 C)	-179 F (-117 C)	40 mmHg @ 19 C	1.59 (Air=1)	0.7853	Soluble	Not available	5-10 ppm	1.4 (carbon tetrachloride=1)	1.17 mPa.s (1.17 centipoises) @ 20 C; 1.074 mPa.s (1.074 centipoises) @ 25 C
Nitrogen	-321 F (-196 C)	-346 F (-210 C)	760 mmHg @ -196 C	0.967 (Air=1)	Not applicable	1.5% @ 20 C	Not applicable	Not available	Not applicable	0.0187 cP @ 27 C

	Molecular Weight	Molecular Formula	Density	Weight per Gallon	Volatility by Volume	Volatility	Solvent Solubility
Ethanol	46.07	C ₂ H ₅ O	Not available	Not available	Not available	1	Soluble. Benzene, ether, acetone, chloroform, methanol, organic solvents
Nitrogen	28.0134	N ₂	1.2506 g/L	Not available	100%	1	Soluble. Liquid ammonia

Section 10: Stability and Reactivity

	Stability	Conditions to Avoid	Incompatible Materials
Ethanol	Stable at normal temperatures and pressure.	Stable at normal temperatures and pressure.	Halo carbons, metals, metal salts, oxidizing materials, halogens, peroxides, acids, metal oxides, bases, combustible materials
Nitrogen	Stable at normal temperatures and pressure.	Stable at normal temperatures and pressure.	Metals, oxidizing materials

	Hazardous Decomposition Products	Possibility of Hazardous Reactions
Ethanol	Oxides of carbon	Will not polymerize.
Nitrogen	Oxides of nitrogen	Will not polymerize.

Section 11: Toxicology Information

	Acute Effects	Inhalation
Ethanol	Oral LD50: 7 gm/kg oral LD50 Dermal LD50: LD50 (dermal, rabbit): greater than 15800 mg/kg (dosed as greater than 20 mL/kg); at 20 mL/kg, 1/4 rabbits died	Irritation, difficulty breathing, headache, drowsiness, symptoms of drunkenness
Nitrogen	Not available	Nausea, vomiting, difficulty breathing, headache, drowsiness, dizziness, tingling sensation, loss of coordination, convulsions, coma

	Eye Irritation	Skin Irritation	Sensitization
Ethanol	Irritation, tearing	Mild irritation, rash	Respiratory tract irritation, skin irritation, eye irritation, liver damage, central nervous system depression
Nitrogen	Contact with rapidly expanding gas may cause burns or frostbite	No information on significant adverse effects	Difficulty breathing

	Chronic Effects	Mutagenicity	Reproductive Effects	Developmental Effects
Ethanol	Carcinogenicity: NTP: Known Human Carcinogen (Alcoholic beverages); IARC: Human Sufficient Evidence, Group 1 (Alcoholic beverages), Animal Inadequate Evidence. ACGIH: A4 - Not Classifiable as a Human Carcinogen	Available.	Available.	No data
Nitrogen	Not hazardous	Not available	Not available	No data

EXHIBIT G-4
THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY A.A.C. R13-10-104 (A)

ARIZONA DEPARTMENT OF PUBLIC SAFETY
STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 8000

STANDARD QUALITY ASSURANCE PROCEDURE

QA SPECIALIST K Miyazawa 1139 AGENCY Goodyear PD
DATE 9/30/21 TIME 2058
INTOXILYZER SERIAL # 80-001858 LOCATION 11 N 145 TH AVE

1. Display Reads "PUSH BUTTON TO START"

DIAGNOSTIC TESTS

1. Clock time check.
 2. Date check.

OPERATIONAL TESTS

1. Alcohol-free subject test result 0. 000 AC.
 2. Error recognition logic system functioning.
Not a Successfully Completed Test Sequence printed
 3. Proper sample recognition system.
Not a Successfully Completed Test Sequence printed
Deficient sample printed.
 4. Standard Calibration Check standard 0. 100 AC. Result 0. 097 AC.

Instrument is operating properly and accurately. YES NO

COMMENTS

SIGNATURE  1139

INTOXILYZER 8000

Location: 11 N 145TH AVE

Serial Number: 80-001858

Core Version: 8105.48

09/30/2021

20:58:30

Standard Lot#: 15421100A4

Last Changed By: K. MIYAZATO #1139

QAS: K. MIYAZATO #1139

GOODYEAR PD

Operator: K. MIYAZATO #1139

GOODYEAR PD

Subject: SQAP,TEST

DOB: 04/02/1973

Sex: M Weight: 200

15 Minute Deprivation Period? Yes

Test	g/210L	Time
Air Blank	0.000	20:59:38
Diagnostic Test	Pass	21:00:13
Air Blank	0.000	21:00:40
0.100 Cal Check	0.099	21:01:01
Air Blank	0.000	21:01:30
Subject Test	0.000	21:01:46
Air Blank	ABT*	21:01:53
Air Blank	0.000	21:02:21

*Sequence Aborted

Not a Successfully Completed Test Sequence

INTOXILYZER 8000

Location: 11 N 145TH AVE

Serial Number: 80-001858

Core Version: 8105.48

09/30/2021

21:02:26

Standard Lot#: 15421100A4

Last Changed By: K. MIYAZATO #1139

QAS: K. MIYAZATO #1139

GOODYEAR PD

Operator: K. MIYAZATO #1139

GOODYEAR PD

Subject: SQAP,TEST

DOB: 04/02/1973

Sex: M Weight: 200

15 Minute Deprivation Period? Yes

Test	g/210L	Time
Air Blank	IPS*	21:03:01
Air Blank	0.000	21:03:29

*Improper Sample

Not a Successfully Completed Test Sequence

INTOXILYZER 8000

Location: 11 N 145TH AVE

Serial Number: 80-001858

Core Version: 8105.48

09/30/2021

21:03:34

Standard Lot#: 15421100A4

Last Changed By: K. MIYAZATO

#1139

QAS: K. MIYAZATO

#1139

GOODYEAR PD

Operator: K. MIYAZATO

#1139

GOODYEAR PD

Subject: SQAP,TEST

DOB: 04/02/1973

Sex: M

Weight: 200

15 Minute Deprivation Period? Yes

Test	g/210L	Time
Air Blank	RFI*	21:04:12
Air Blank	0.000	21:04:40

*RFI Detect

Not a Successfully Completed Test Sequence

INTOXILYZER 8000
Location: 11 N 145TH AVE
Serial Number: 80-001858
Core Version: 8105.48
09/30/2021 21:04:49

Standard Lot#: 15421100A4
Last Changed By: K. MIYAZATO #1139

QAS: K. MIYAZATO #1139
GOODYEAR PD

Operator: K. MIYAZATO #1139
GOODYEAR PD

Subject: SQAP, TEST
DOB: 04/02/1973
Sex: M Weight: 200

15 Minute Deprivation Period? Yes

Test	g/210L	Time
Air Blank	0.000	21:05:41
Diagnostic Test	Pass	21:06:16
Air Blank	0.000	21:06:44
0.100 Cal Check	0.099	21:07:05
Air Blank	0.000	21:07:34
Subject Test	0.125*	21:10:42
Air Blank	0.000	21:11:28
Air Blank	0.000	21:11:56
Subject Test	XXX**	21:12:10
Air Blank	0.000	21:12:45

*Deficient Sample

**Invalid Sample

Begin new deprivation period

Not a Successfully Completed Test Sequence

EXHIBIT G-2
THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY A.A.C. R13-10-104 (A)

ARIZONA DEPARTMENT OF PUBLIC SAFETY
STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 8000
STANDARD CALIBRATION CHECK PROCEDURE

QA SPECIALIST K Miyazawa 1139 AGENCY Coungear PD
DATE 9/30/20 TIME 2113
INTOXILYZER SERIAL # 80-001858 LOCATION 11 N 145 TH AVE

- () 1. Ensure that gas tank is attached to instrument and contains a standard alcohol concentration solution .100 AC.
OR
Pour a standard alcohol concentration solution _____ AC, into a clean dry simulator and assemble the simulator. Ensure that a tight seal has been made. Turn on the simulator and allow temperature to reach $34^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$
- () 2. Intoxilyzer 8000 display reads "PUSH BUTTON TO START"
- () 3. Go to the "Control Testing Menu". Select "D" for dry control test or "W" for wet control test. After selection is made press ENTER.
- () 4. Air blank completed.
- () 5. Calibration check completed. Test results 0. 097 AC.
- () 6. Air blank completed.
- () 7. Remove printed record. Attach the record to the completed checklist.

SIGNATURE K Miyazawa 1139

INTOXILYZER 8000
Location: 11 N 145TH AVE
Serial Number: 80-001858
Core Version: 8105.48
09/30/2021 21:13:19

Standard Lot#: 15421100A4
Last Changed By: K. MIYAZATO #1139

QAS: K. MIYAZATO #1139
GOODYEAR PD

Operator: K. MIYAZATO #1139
GOODYEAR PD

Test	g/210L	Time
Air Blank	0.000	21:13:49
0.100 Cal Check	0.097	21:14:10
Air Blank	0.000	21:14:40

Preventative Maintenance
Performed -- Timer Reset