State of North Dakota)
)ss
County of Burleigh)

I, Roberta Grieger-Nimmo, do hereby certify that I am the duly-appointed Forensic Scientist for the State of North Dakota and an official custodian of the records and files of the office thereof, that I have carefully compared the

Ethanol Breath Standard Analytical Report, Lot No. 19817080A4, Expiration 09/05/2019 (09/25/2017)

hereto attached with the respective original as the same appears of record on file at the Office of Attorney General, Crime Laboratory Division, in the County of Burleigh, North Dakota, and find the same to be a true and correct copy thereof and of the whole thereof. In witness whereof I have set my hand at the city of Bismarck, in said county this:

25th day of September, 2017

Roberta Grieger-Nimmo
Roberta Grieger-Nimmo, Forensic Scientist

State of North Dakota)
)ss
County of Burleigh)

On this 25th day of September, 2017, before me personally appeared Roberta Grieger-Nimmo, known to me to be a Forensic Scientist for the State of North Dakota, and acknowledged to me that he has executed the same.

Subscribed to and sworn before me this:

25th day of September, 2017

Deanna Dailey
Deanna Dailey, Notary Public
State of North Dakota
My Commission Expires March 23, 2023

DEANNA DAILEY
Notary Public
State of North Dakota
My Commission Expires Mar 23, 2023

(SEAL)

ETHANOL BREATH STANDARD ANALYTICAL REPORT

Ethanol Breath Standard Lot Number 19817080A4 Expiration Date 09-05-2019

This standard was analyzed by ILMO Specialty Gases with a reported result of 208 ppm which is the equivalent of 0.080 AC of Ethanol in Nitrogen. ILMO Specialty Gases has provided a Certificate of Analysis traceable to N.I.S.T. SRM Ethanol Standards.

A proper result for the standard test using a cylinder of this lot number would be the range of 0.075 to 0.085 g ethanol/210 L of vapor (g/100 ml of blood or g/210 L of end expiratory breath).

The Intoxilyzer® will print out the value of the standard test in 3 digits on Intoxilyzer® Test Record (Form 106-I8000).

The number of cylinders sent to each location will be based on need. The standard may be used until the date of expiration as indicated by the manufacturer's Certificate of Analysis.

Roberta Grieger-Nimmo

Roberta Grieger-Nimmo, Forensic Scientist

9/25/2017

Date Approved

ILMO specialty gases

ISO/IEC 17025:2005 Accredited Laboratory

Certificate of Analysis

Certificate ID: 10401

Part #: BAC105L080T
Cylinder Size: 105L
Lot Number: 19817080A4
Expiration: 9/5/2019

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

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

Component:	Concentration:	Accuracy:	Method:
Ethanol	208 ppm	+/- 0.002 or 2% BAC whichever is greater	NDIR
Nitrogen	Balance		

*NIST Standard Reference Material
Cylinder No. CC 274507 / Job No. 09160309
Certified 362.2 µmol/mol Ethanol in Nitrogen
for ILMO Products Co., Jacksonville, IL

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

08-14-17
Date

ISO/IEC 17025:2005 Accredited Laboratory

Distributed by:

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

ILMO specialty gases

Corporate Office:
P.O. Box 790, 7 Eastgate Drive
Jacksonville, IL 62651
217-245-2183
Fax: 217-243-7634
www.ilmoproducts.com

ISO/IEC 17025:2005 Accredited Laboratory

Certificate of Analysis

Customer	CMI Calibration Laboratory, CMI Inc. 316 East Ninth Street, Owensboro, KY 42303
Item Description	Ethanol Dry Gas Standard (Ethanol in Nitrogen)
Target Value	0.080 BAC
Lot Number	19817080A4
Manufacture Date	July 19, 2017
Expiration Date	September 5, 2019
Analysis Type/Test Method	NDIR/DMT-1
Lot Average (ppm/BAC)	211.2/0.081
Lot Measurement of Uncertainty [+/- ppm/BAC]	4.7/0.0018

NTRM Information	
Batch#	09160309
Serial#	CC274507
Reported NIST Value (ppm)	362.2

Specialty Gas Analytical Lab Technician
ILMO Products Company

08-15-17
Date

* The stated expanded uncertainty was determined from the combined uncertainty associated with the following: calibration standard, equipment accuracy, repeatability and random variability (instrument readability). The uncertainty is expressed as $U = ku$, where u is the combined standard uncertainty and the coverage factor k is equal to 2, yielding a level of confidence of approximately 95%.

* The results on this report relate only to the items tested in the group of cylinders designated by the 'Lot Number' field.