State of North Dakota)
)ss
County of Burleigh)

I, Charles E. Eder, do hereby certify that I am a duly-appointed State Toxicologist 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. 23413160A1, Expiration 09/01/2015

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:

20th day of SEPTEMBER, 2013

Charles E. Eder, State Toxicologist

State of North Dakota)
)ss
County of Burleigh)

On this 20 day of September, 2013, before me personally appeared Charles E. Eder, known to me to be a State Toxicologist for the State of North Dakota, and acknowledged to me that he/she has executed the same.

Subscribed to and sworn before me this:

20 day of September, 2013

STACIE L. FLECK-MERKEL
Notary Public
State of North Dakota
My Commission Expires Aug. 16, 2017

Stacie L. Fleck-Merkel, Notary Public, State of North Dakota
My Commission Expires August 16, 2017 (SEAL)

OFFICE OF ATTORNEY GENERAL
CRIME LABORATORY DIVISION
Toxicology Section/Breath Alcohol Program

BrW-001

ETHANOL BREATH STANDARD ANALYTICAL REPORT

Ethanol Breath Standard Lot Number 23413160A1 Expiration Date 9/1/2015

This standard was analyzed by ILMO Specialty Gases with a reported result of 416.8 ppm which is the equivalent of 0.160 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 0.152 to 0.168 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.

Charles E. Eder, State Toxicologist

20 SEP 13
Date Approved

ILMO specialty gases

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: 5484

Part #: BAC105L160T
Cylinder Size: 105L
Lot Number: 23413160A1
Expiration: 9/1/2015

0.160 BAC (For use with breath alcohol testing instruments)

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

Component:	Concentration:	Accuracy:	Method:
Ethanol	416.8 ppm	+/- 0.002 or 2% BAC whichever is greater	NDIR
Nitrogen	Balance		

*NIST Standard Reference Material
Cylinder No. CC14290 / Job No. 09160202
Certified 212.8 µmol/mol Ethanol in Nitrogen
for ILMO Products Co., Jacksonville, IL

Jacob Matley
Specialty Gas Lab Tech

08/30/13
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	0.160 BAC
Lot Number	23413160A1
Manufacture Date	August 21, 2013
Expiration Date	September 1, 2015
Analysis Type/Test Method	NDIR/DMT-1
Lot Average (ppm/BAC)	419.0/0.161
Lot Measurement of Uncertainty [+/- ppm/BAC]	4.7/0.0018

NTRM Information	
Batch#	09160202
Serial#	CC14290
Reported NIST Value (ppm)	212.8

Jacob Mattes

Specialty Gas Analytical Lab Technician
ILMO Products Company

08/30/13

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.**