

State of North Dakota)
)ss
County of Burleigh)

I, Charles E. Eder, do hereby certify that I am the 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. 17316080A2, Expiration 08-05-2018 (09-16-2016)

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:

16th day of SEPTEMBER, 2016

Charles E. Eder
Charles E. Eder, State Toxicologist

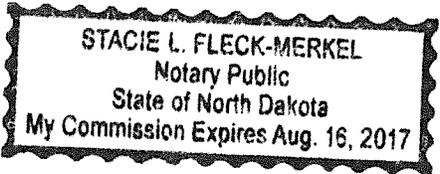
State of North Dakota)
)ss
County of Burleigh)

On this 16 day of September, 2016, 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 has executed the same.

Subscribed to and sworn before me this:

16 day of September, 2016

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



(SEAL)

ETHANOL BREATH STANDARD ANALYTICAL REPORT

Ethanol Breath Standard Lot Number **17316080A2** Expiration Date **08-05-2018**

This standard was analyzed by ILMO Specialty Gases with a reported result of 209 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.



Charles E. Eder, State Toxicologist

16 SEP. 16

Date Approved



ISO/IEC 17025:2005 Accredited Laboratory

Certificate of Analysis

Certificate ID: 9341
Part #: BAC105L080T
Cylinder Size: 105L
Lot Number: 17316080A2
Expiration: 8/5/2018

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	209 PPM	+/- 0.002 or 2%	NDIR
Nitrogen	BALANCE	BAC whichever is greater	

*NIST Standard Reference Material
Cylinder No. CC14290 / Job No. 09160202
Certified 212.8 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).

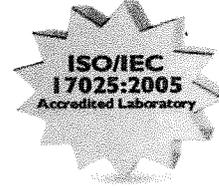
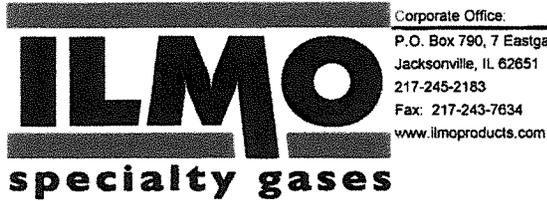

Specialty Gas Lab Tech

07/25/16
Date

Distributed by:

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





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 17316080A2

Manufacture Date June 21, 2016

Expiration Date August 5, 2018

Analysis Type/Test Method NDIR/DMT-1

Lot Average (ppm/BAC) 211.4/0.081

Lot Measurement of Uncertainty [\pm ppm/BAC] 4.7/0.0018

<u>NTRM Information</u>	
Batch#	09160202
Serial#	CC14290
Reported NIST Value (ppm)	212.8

Jacob Matthey
Specialty Gas Analytical Lab Technician
ILMO Products Company

07/25/16
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.