

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. 34917080A3, Expiration 02/05/2020 (02/05/2018)**

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:

5<sup>th</sup> day of February, 2018

Roberta Grieger-Nimmo  
Roberta Grieger-Nimmo, Forensic Scientist

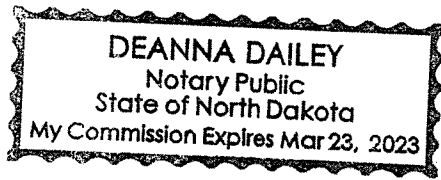
State of North Dakota     )  
  )ss  
County of Burleigh         )

On this 5<sup>th</sup> day of February, 2018, 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:

5<sup>th</sup> day of February, 2018

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



(SEAL)

## ETHANOL BREATH STANDARD ANALYTICAL REPORT

Ethanol Breath Standard Lot Number 34917080A3 Expiration Date 02-05-2020

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

February 5, 2018  
Date Approved



7 Eastgate Dr. • P.O. Box 790 • Jacksonville, IL 62651-0790  
217-245-2183 • Fax: 217-243-7634 • [www.ilmoproducts.com](http://www.ilmoproducts.com)

## Certificate of Analysis

Certificate ID: 10764  
Part #: BAC105L080T  
Cylinder Size: 105L  
Lot Number: 34917080A3  
Expiration: 2/5/2020

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

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

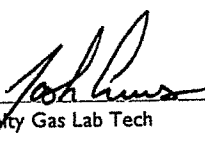
Component:	Reported Concentration:	Analytical Accuracy (U, k=2):	Analytical Method:
Ethanol	208 ppm	+/-0.002 BAC(G/210L) [5.2 ppm]	NDIR
Nitrogen	Balance		

Distributed by:

CMI Inc.  
316 East Ninth Street  
Owensboro, KY 42303  
Phone 866-835-0690  
[www.alcoholtest.com](http://www.alcoholtest.com)

\*NIST Traceable Reference Material  
Cylinder No. CC274523 / Job No. 09160306  
Certified 362.2 µmol/mol Ethanol in Nitrogen

Store in dry area, away from sources of heat,  
ignition and direct sunlight. Do not allow storage  
area to exceed 52 °C (125 °F).

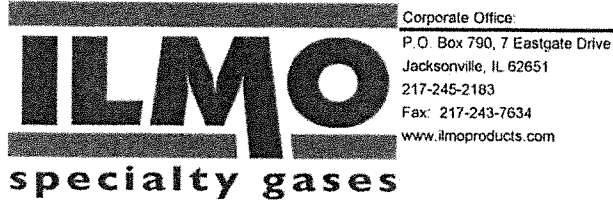
  
Specialty Gas Lab Tech

01-17-18  
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.

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** 34917080A3

**Manufacture Date** December 18, 2017

**Expiration Date** February 5, 2020

**Analysis Type/Test Method** NDIR/DMT-1

**Lot Average (ppm/BAC)** 211 / 0.081

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

<u>NTRM Information</u>	
Batch#	09160306
Serial#	CC274523
Reported NIST Value (ppm)	362.2

Specialty Gas Analytical Lab Technician  
ILMO Products Company

01-17-18

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.