

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:

25<sup>th</sup> day of September, 2017

Roberta Grieger-Nimmo  
Roberta Grieger-Nimmo, Forensic Scientist

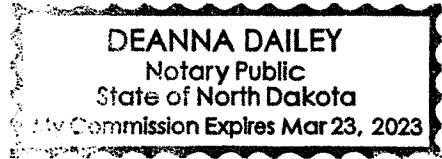
State of North Dakota     )  
  )ss  
County of Burleigh         )

On this 25<sup>th</sup> 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:

25<sup>th</sup> day of September, 2017

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 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



ISO/IEC 17025:2005 Accredited Laboratory

## Certificate of Analysis

**Certificate ID:** 10401  
**Part #:** BAC105L080T  
**Cylinder Size:** 105L  
**Lot Number:** 19817080A4  
**Expiration:** 9/5/2019

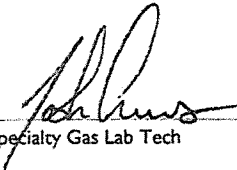
**0.080 BAC** (For the calibration of instruments used to determine breath alcohol concentration)

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

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

\*NIST Standard Reference Material  
Cylinder No. CC 274507 / Job No. 09160309  
Certified 362.2  $\mu\text{mol/mol}$  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).

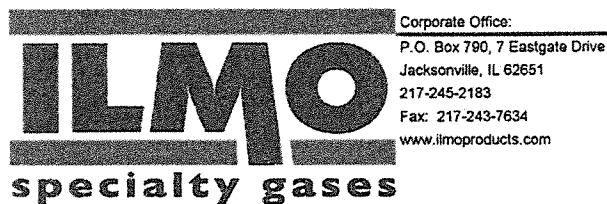
  
Specialty Gas Lab Tech

08-14-17  
Date

Distributed by:

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

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.