

State of North Dakota     )  
  )ss  
County of Burleigh        )

I, Deb Kashur, do hereby certify that I am a 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. 32114020A3, Expiration 12/05/2016**

hereto attached with the respective original as the same appears of record on file in 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:

23 day of December, 2014

Deb Kashur  
Deb Kashur, Forensic Scientist

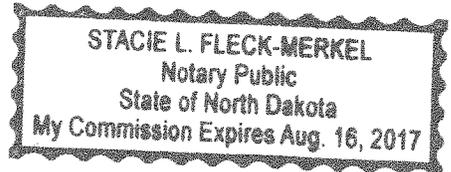
State of North Dakota     )  
  )ss  
County of Burleigh        )

On this 23 day of December, 2014, before me personally appeared Deb Kashur, known to me to be the Forensic Scientist for the State of North Dakota, and acknowledged to me that she has executed the same.

Subscribed to and sworn before me on this:

23 day of December, 2014

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



Notary seal/stamp

## ETHANOL BREATH STANDARD ANALYTICAL REPORT

Ethanol Breath Standard Lot Number 32114020A3 Expiration Date 12/05/2016

This standard was analyzed by ILMO Specialty Gases with a reported result of 52 ppm which is the equivalent of 0.020 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 0.015 to 0.025 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.

Deb Kashur  
\_\_\_\_\_  
Deb Kashur; Forensic Scientist

23 Dec 2014  
\_\_\_\_\_  
Date Approved



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:** 7465  
**Part #:** BAC105L020T  
**Cylinder Size:** 105L  
**Lot Number:** 32114020A3  
**Expiration:** 12/5/2016

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

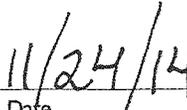
**Contents:** 105 Liters @ 1000 psig 70°F (21°C)

Component:	Concentration:	Accuracy:	Method:
Ethanol	52 ppm	+/- 0.002 or 2%	NDIR
Nitrogen	Balance	BAC (G/210L) whichever is greater	

\*NIST Standard Reference Material  
Cylinder No. CC14290/ Job No. 09160202  
Certified 212.8  $\mu\text{mol/mol}$  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

  
Date





Corporate Office:  
P.O. Box 790, 7 Eastgate Drive  
Jacksonville, IL 62651  
217-245-2183  
Fax: 217-243-7634  
www.ilmoproducts.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** 0.020 BAC

**Lot Number** 32114020A3

**Manufacture Date** November 17, 2014

**Expiration Date** December 5, 2016

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

**Lot Average (ppm/BAC)** 55.0/0.021

**Lot Measurement of  
Uncertainty [+/- ppm/BAC]** 4.7/0.0018

#### NTRM Information

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

*Jacob Matthe*  
Specialty Gas Analytical Lab Technician  
ILMO Products Company

*11/24/14*  
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.