



## GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

### CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **16160** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **July 21, 2016**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1203%** (w/vol) ethyl alcohol. The expiration date for this lot number is **July 19, 2018** at 11:59 PM.

When used in a calibrated Simulator, operating at  $34^{\circ}\text{C} \pm .2^{\circ}\text{C}$ , this solution will give a breath alcohol analysis instrument reading of **0.100 g/210L**  $\pm 3\%$ .

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President  
GUTH LABORATORIES, INC.

*NIST Traceability:*

*Testing was conducted using Cerilliant Reference Standard lot number FN08051301 whose values are traceable to NIST.*

*All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.*

SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100348

Date: 09/29/2016  
 Time: 10:52:47

SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.100

BLANK TEST	0.000	10:53
INTERNAL STANDARD	VERIFIED	10:53
EXTERNAL STANDARD	0.097	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.097	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.097	10:57
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.096	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.097	10:59
BLANK TEST	0.000	11:00

Average = 0.0968  
 Std Dev = 0.0004

*Avg 1 = 0.0968*  
*Avg 2 = 0.0986*  
*Avg 3 = 0.1002*  

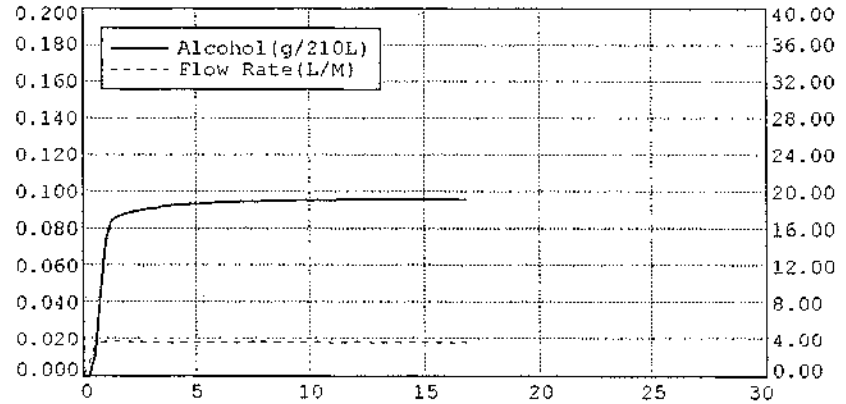
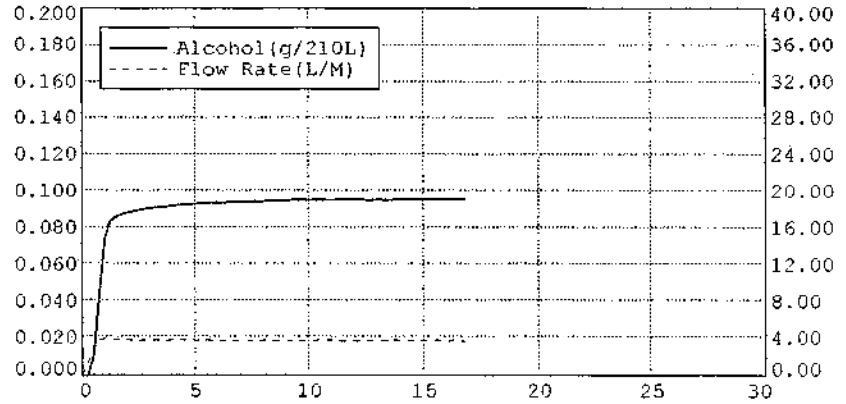
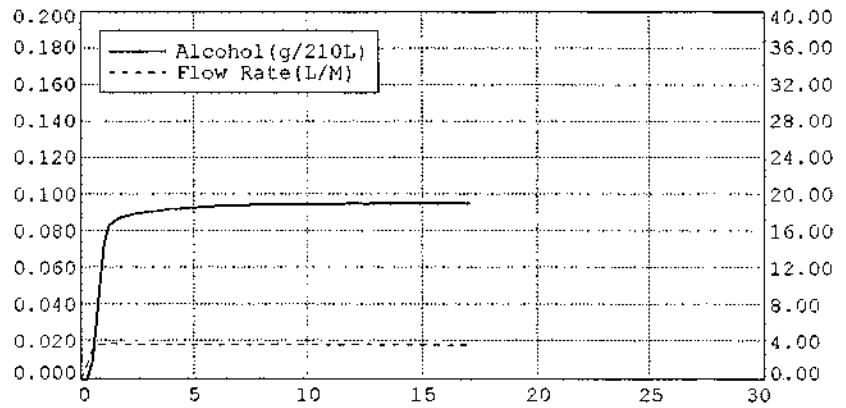
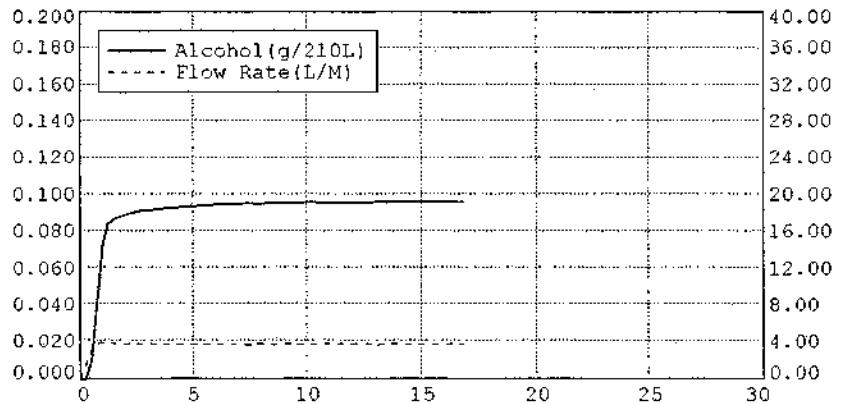
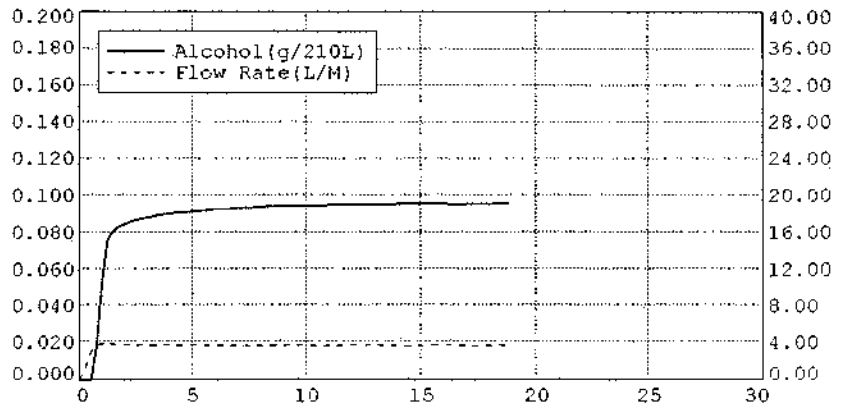

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*Total Avg = 0.0985*

*Simulator SU SD1176*  
*Calibrated 3/4/16*

*Guth 0.100 lot 16160*  
*Exp 7/19/18*

*COB 9/29/16*



SUPERVISOR TEST

Alaska Department of Public Safety  
 DATAMASTER dmt: 100377

Date: 09/29/2016  
 Time: 10:28:02

SUPERVISOR NAME:  
 COLLEEN S OBRYANT  
 OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
 NOMINAL: 0.100

BLANK TEST	0.000	10:29
INTERNAL STANDARD	VERIFIED	10:29
EXTERNAL STANDARD	0.097	10:29
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.098	10:31
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.099	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.099	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.100	10:34
BLANK TEST	0.000	10:35

Average = 0.0986  
 Std Dev = 0.0011

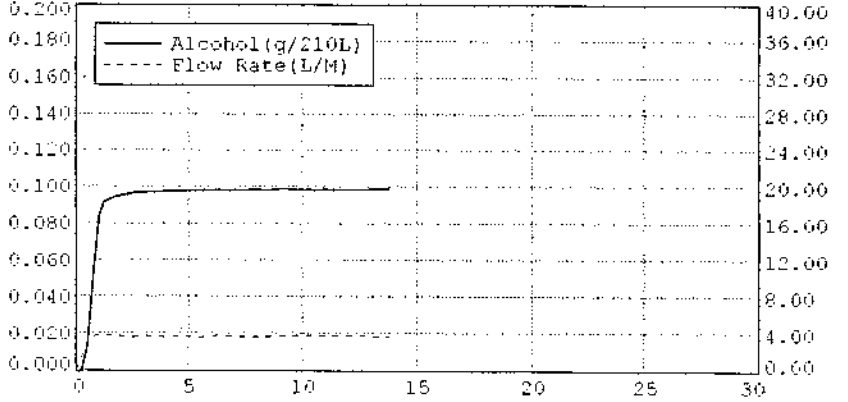
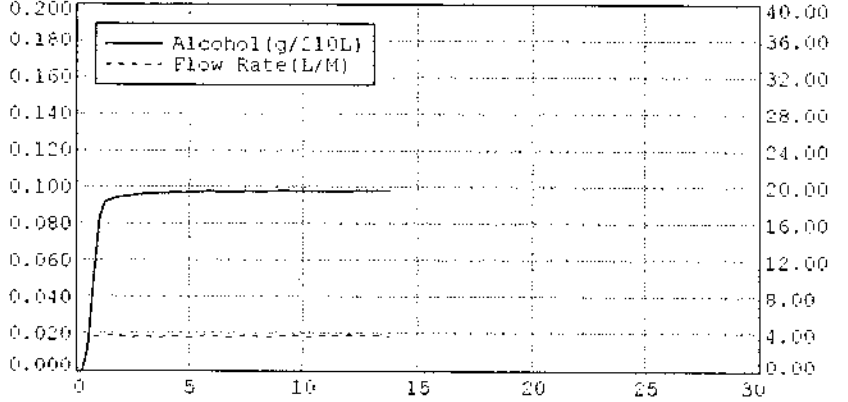
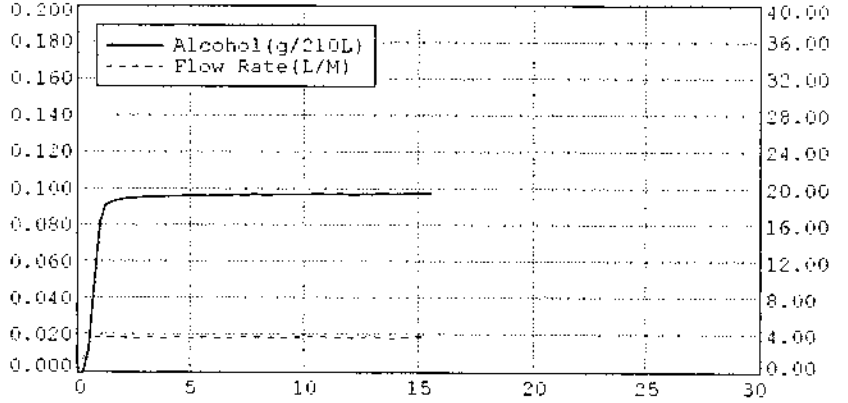
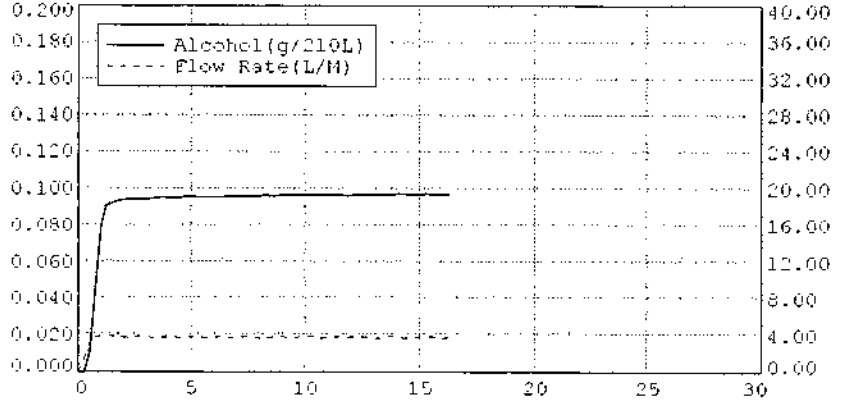
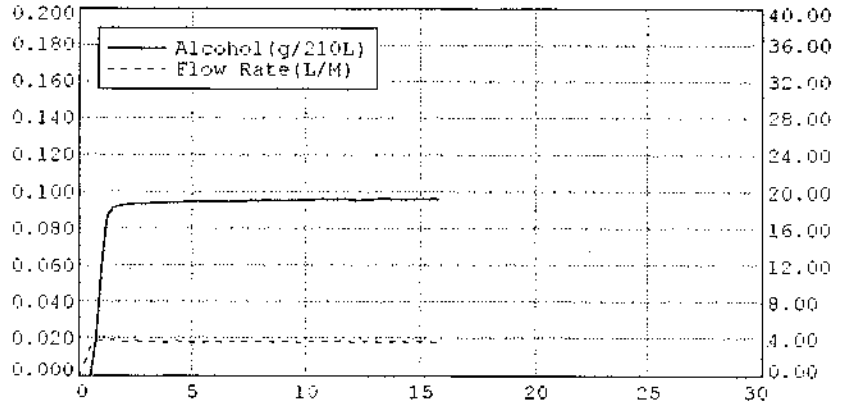
*Guth 0.100*

*Lot# 16160*

*Exp 7/19/18*

*Simulator SN SD1176*

*Calibrated 3/4/16*



SUPERVISOR TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100411

Date: 09/29/2016  
Time: 10:37:35

SUPERVISOR NAME:  
COLLEEN S OBRYANT  
OPERATOR'S #: 6237

EXTERNAL STANDARD INFORMATION  
NOMINAL: 0.100

BLANK TEST	0.000	10:38
INTERNAL STANDARD	VERIFIED	10:39
EXTERNAL STANDARD	0.100	10:39
BLANK TEST	0.000	10:40
EXTERNAL STANDARD	0.100	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.100	10:41
BLANK TEST	0.000	10:42
EXTERNAL STANDARD	0.100	10:43
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.101	10:44
BLANK TEST	0.000	10:45

Average = 0.1002  
Std Dev = 0.0004

*Guth 0.100*  
*Lot# 16160*  
*Exp 7/19/18*

*Simulata SN 8D1176*  
*calibrated 3/4/16*

