



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 **14270** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 3, 2014**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.3630%** (w/vol) ethyl alcohol. The expiration date for this lot number is **December 2, 2016** 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 **0.300 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 FN09061305 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: 100362

Date: 01/29/2015
Time: 10:23:45

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300

BLANK TEST	0.000	10:28
INTERNAL STANDARD	VERIFIED	10:28
EXTERNAL STANDARD	0.302	10:29
BLANK TEST	0.000	10:30
EXTERNAL STANDARD	0.302	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.302	10:32
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.303	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.302	10:34
BLANK TEST	0.000	10:35

Average = 0.3026
Std Dev = 0.0003

Guth 0.300
Lot 14270 Exp 12/2/10

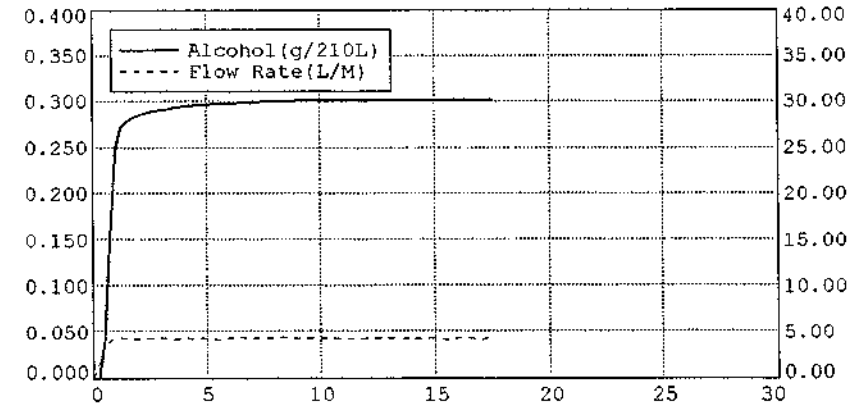
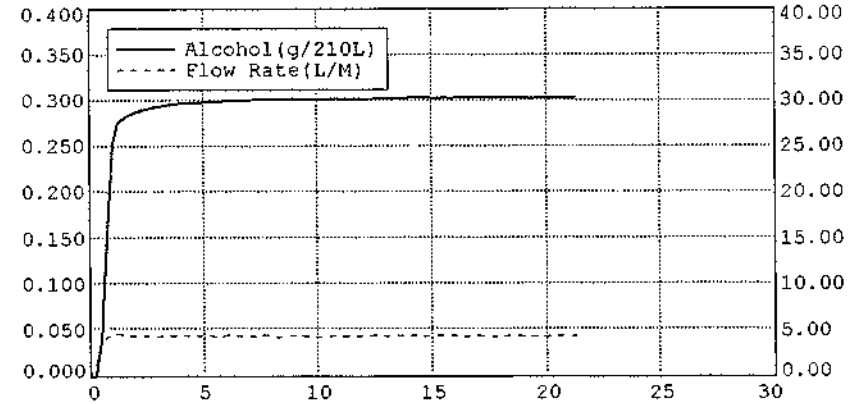
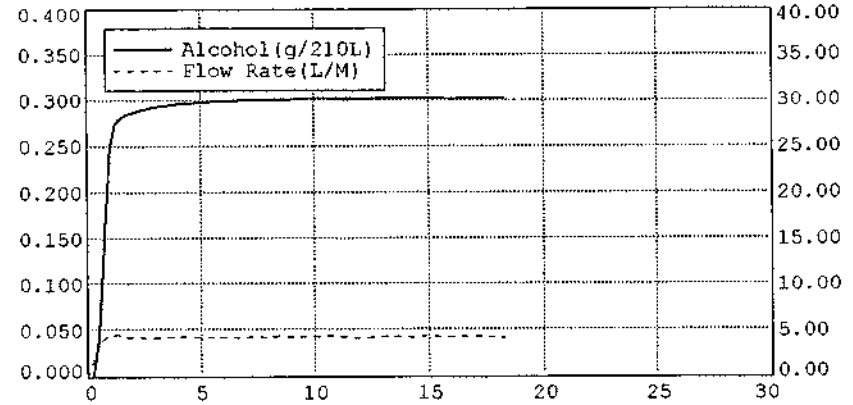
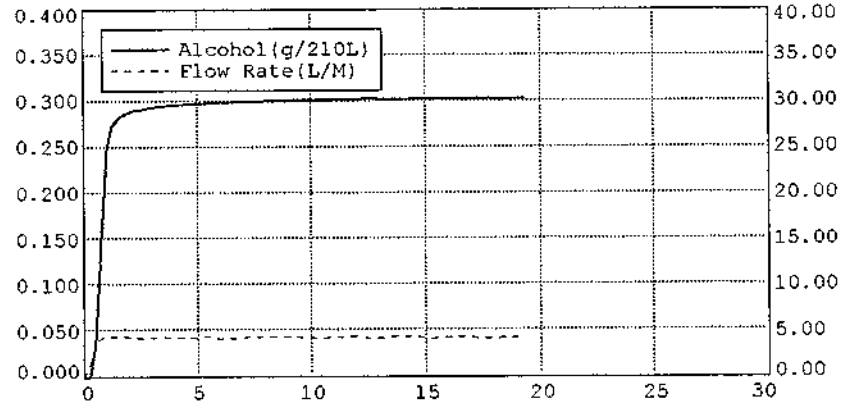
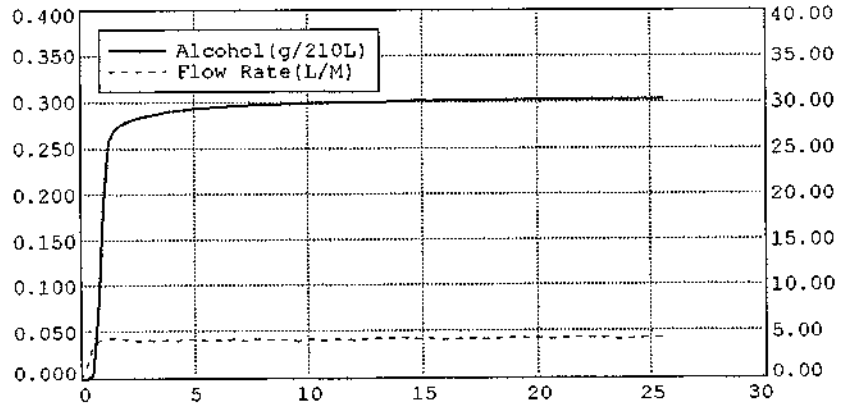
Guth Simulator

S/N SD1177

Calibrated 2/20/14

CRB 1/29/15

Total average: 0.303



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 01/29/2015
 Time: 10:04:32

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

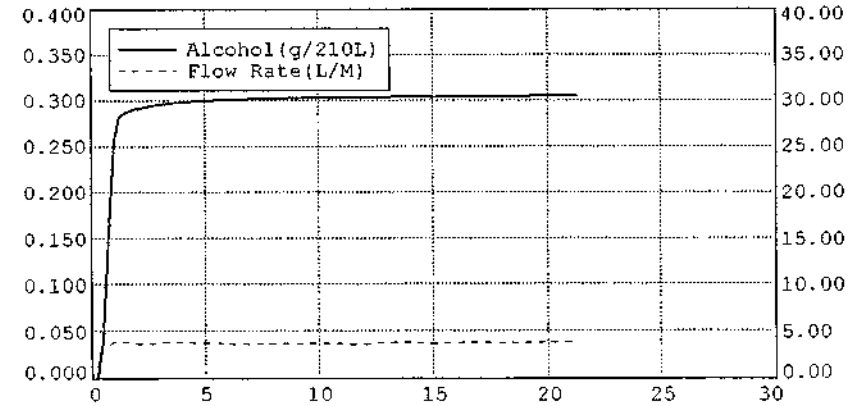
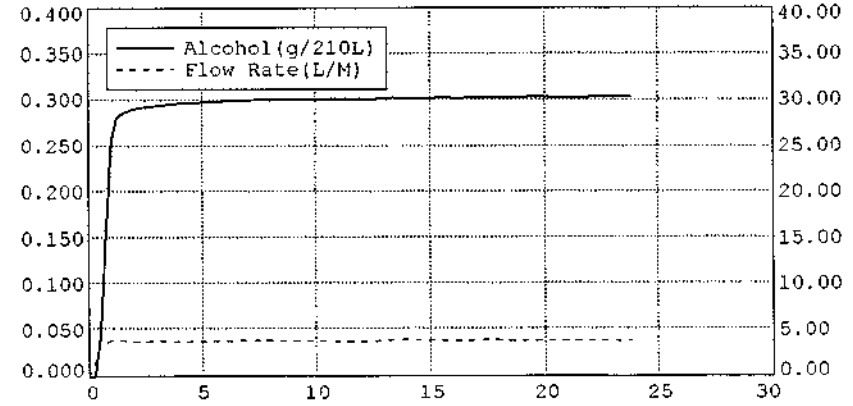
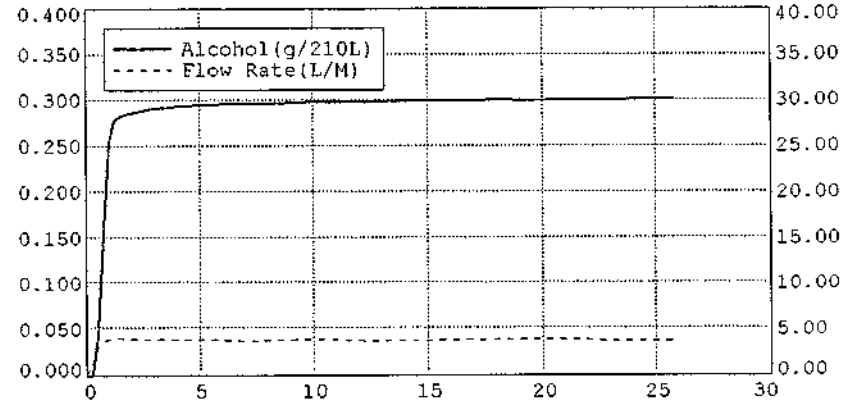
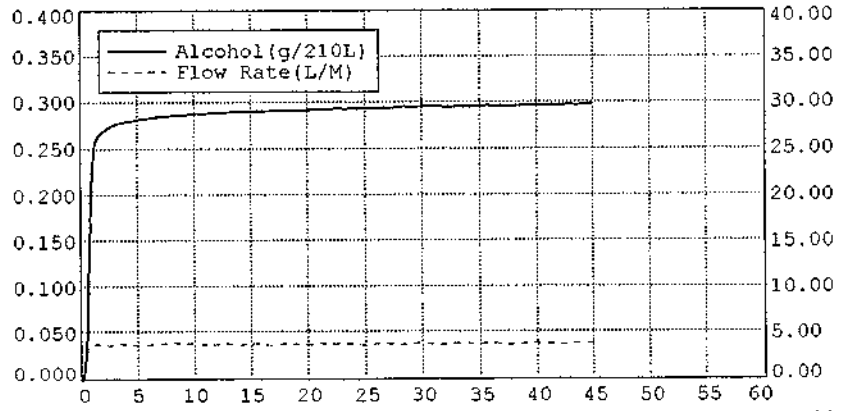
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	10:05
INTERNAL STANDARD	VERIFIED	10:05
EXTERNAL STANDARD	0.297	10:06
BLANK TEST	0.000	10:07
EXTERNAL STANDARD	0.300	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.301	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.303	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.305	10:12
BLANK TEST	0.000	10:13

Average = 0.3015
 Std Dev = 0.0030

*Guth 0.300
 Lot 14270 Exp 12/2/16*

*Guth Simulator
 S/N SD1177
 Calibrated 2/20/14
 COB 1/29/15*



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100668

Date: 01/29/2015
Time: 10:08:10

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

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.300

BLANK TEST	0.000	10:09
INTERNAL STANDARD	VERIFIED	10:09
EXTERNAL STANDARD	0.305	10:09
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.305	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.305	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.305	10:14
BLANK TEST	0.000	10:14
EXTERNAL STANDARD	0.306	10:15
BLANK TEST	0.000	10:16

Average = 0.3056
Std Dev = 0.0004

Guth 0.300
Lot 14270 Exp 12/2/16

Guth Simulator

S/N SD 1177

Calibrated 2/20/14

COB 1/29/15

