



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 16410 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **December 20, 2016**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.3646%** (w/vol) ethyl alcohol. The expiration date for this lot number is **December 19, 2018** at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of **0.300 g/210L +/- 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 FN02121601 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: 100411

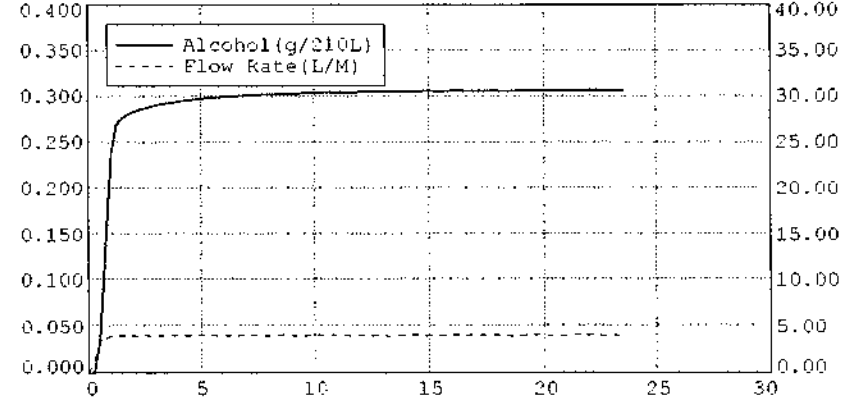
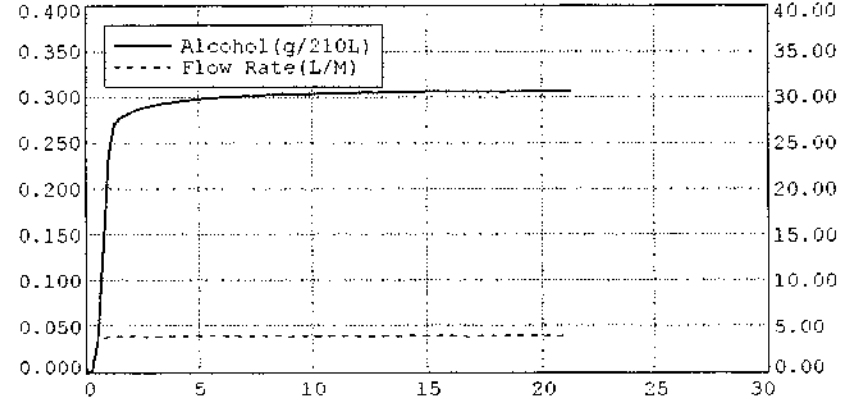
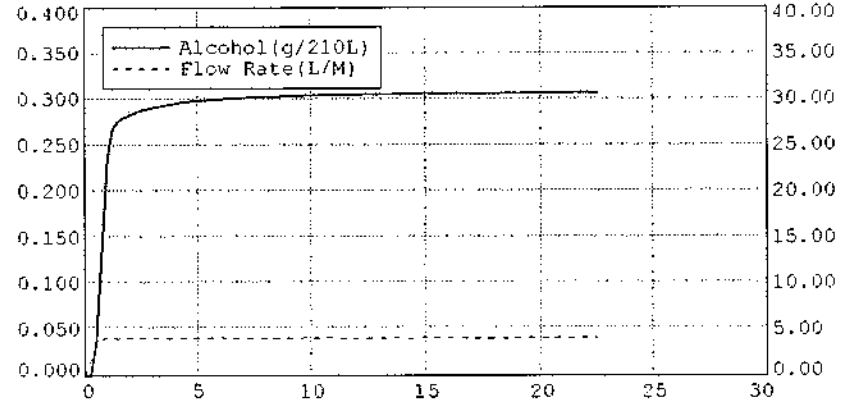
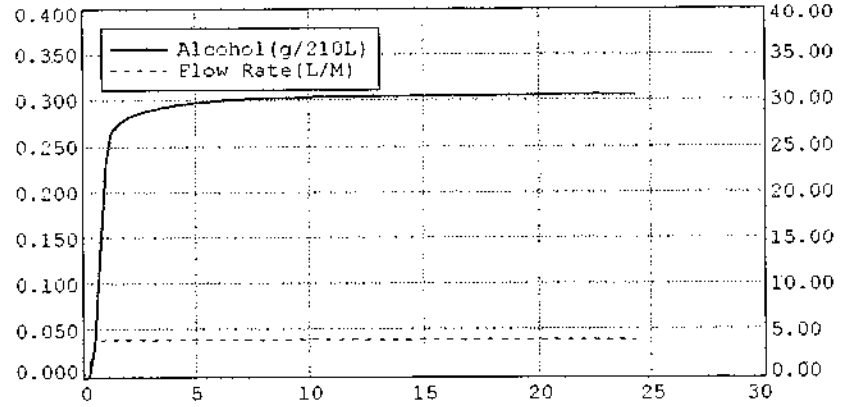
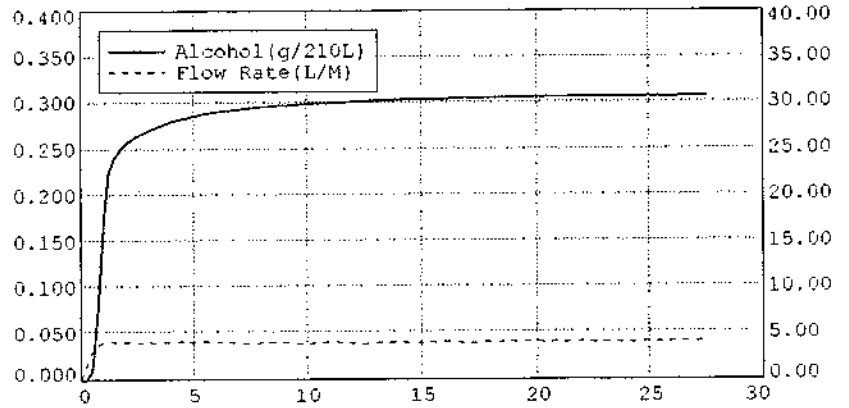
Date: 03/31/2017
 Time: 10:48:33

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
EXTERNAL STANDARD	0.306	10:50
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.306	10:51
BLANK TEST	0.000	10:52
EXTERNAL STANDARD	0.307	10:53
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.307	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.307	10:56
BLANK TEST	0.000	10:57

Average = 0.3066
 Std Dev = 0.0005



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100348

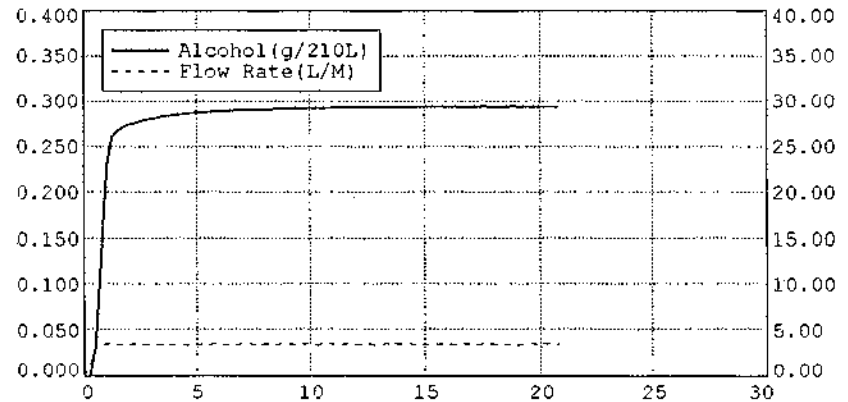
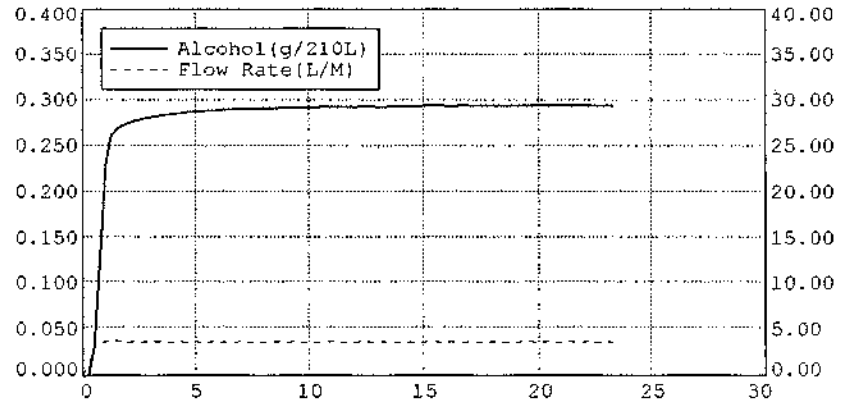
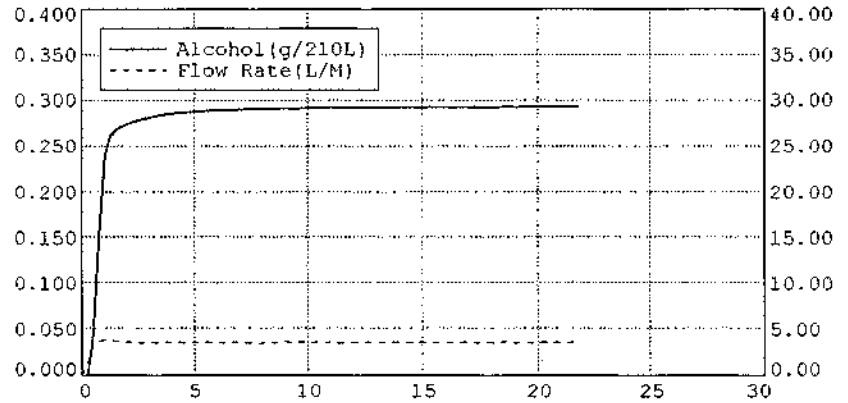
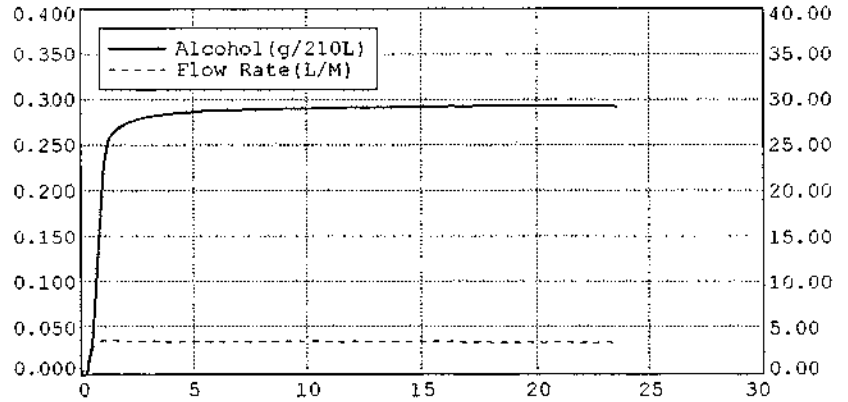
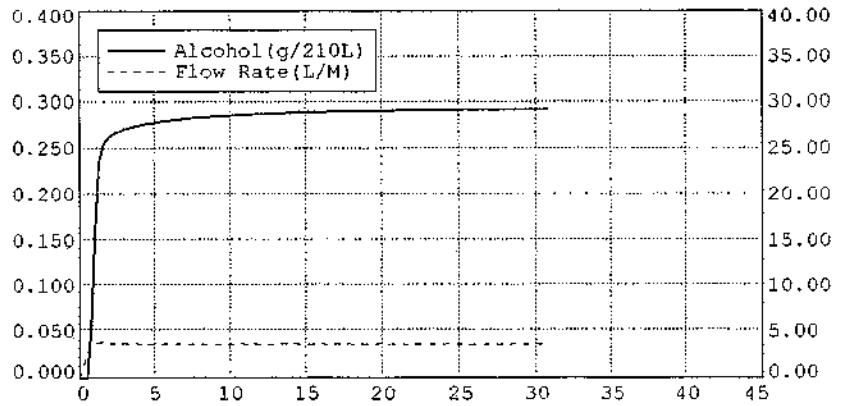
Date: 03/31/2017
 Time: 10:31:10

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	10:32
INTERNAL STANDARD	VERIFIED	10:32
EXTERNAL STANDARD	0.293	10:33
BLANK TEST	0.000	10:33
EXTERNAL STANDARD	0.293	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.294	10:35
BLANK TEST	0.000	10:36
EXTERNAL STANDARD	0.295	10:37
BLANK TEST	0.000	10:38
EXTERNAL STANDARD	0.295	10:38
BLANK TEST	0.000	10:39

Average = 0.2940
 Std Dev = 0.0010



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

Date: 03/31/2017
 Time: 10:06:29

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	10:07
INTERNAL STANDARD	VERIFIED	10:07
EXTERNAL STANDARD	0.308	10:08
BLANK TEST	0.000	10:09
EXTERNAL STANDARD	0.307	10:10
BLANK TEST	0.000	10:10
EXTERNAL STANDARD	0.307	10:11
BLANK TEST	0.000	10:12
EXTERNAL STANDARD	0.307	10:12
BLANK TEST	0.000	10:13
EXTERNAL STANDARD	0.308	10:14
BLANK TEST	0.000	10:15

Average = 0.3074
 Std Dev = 0.0005

Guth 0.300

Lot#: 16410 Exp: 12/19/18

Simulator: SD1177

Calibrated: 9/13/16

~~Avg: 0.302~~ BMB

Avg: 0.303

