



GUTH LABORATORIES, INC.

690 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-694-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **16210** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **August 23, 2016**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.3637%** (w/vol) ethyl alcohol. The expiration date for this lot number is **August 22, 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 **0.300 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 FN06051501 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: 11:02:17

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	11:03
INTERNAL STANDARD	VERIFIED	11:03
EXTERNAL STANDARD	0.295	11:04
BLANK TEST	0.000	11:05
EXTERNAL STANDARD	0.294	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.295	11:07
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.295	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.294	11:10
BLANK TEST	0.000	11:11

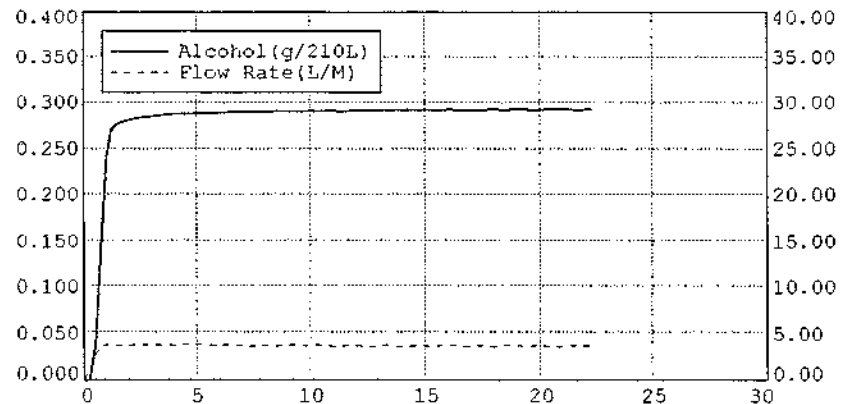
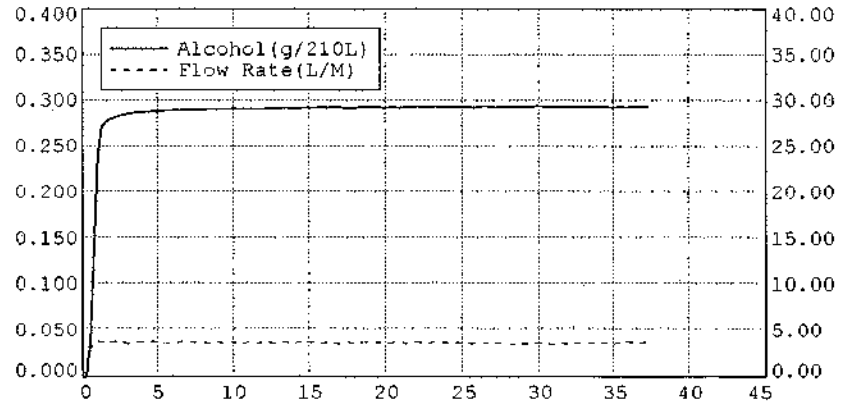
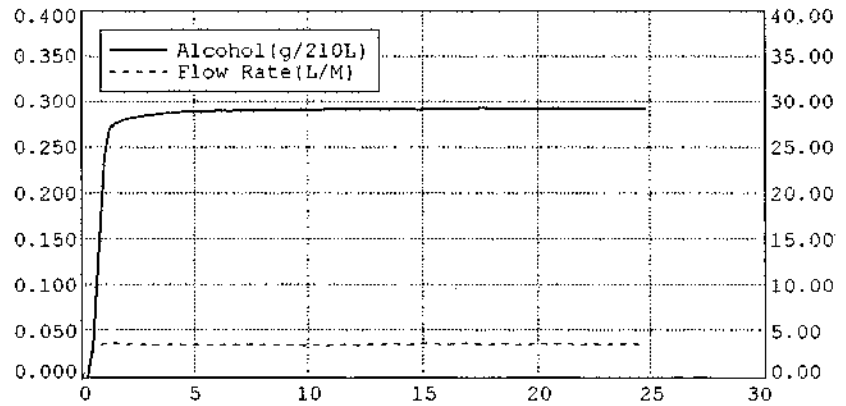
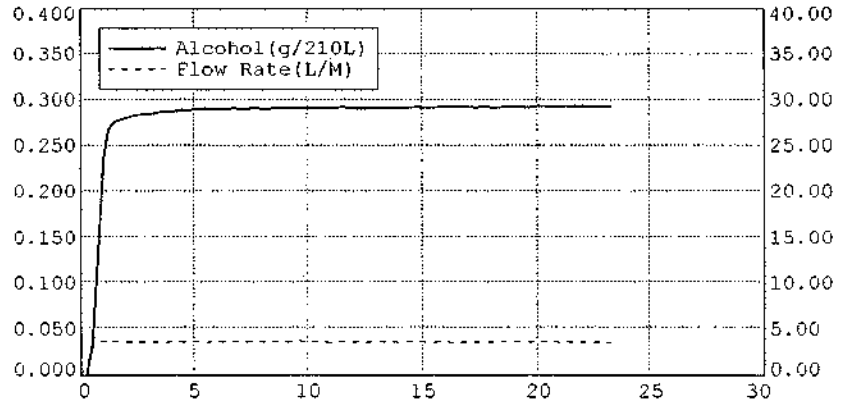
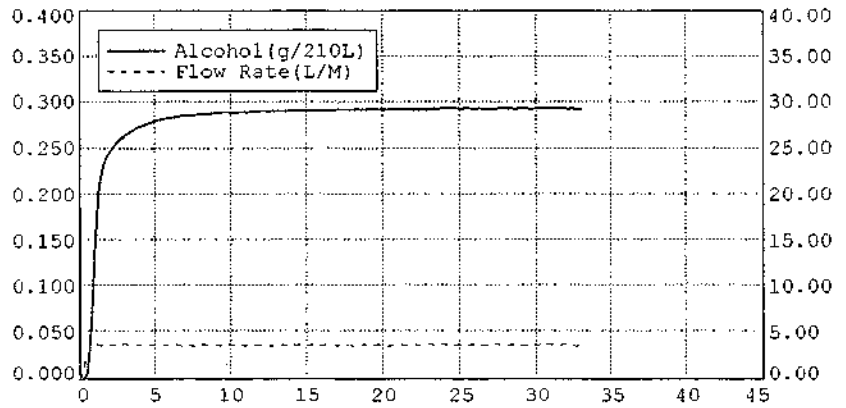
Average = 0.2946
 Std Dev = 0.0005

Guth 0.300
Lot# 16210
Exp 8/22/18

OR
Simulator SN 4176
Calibrated 3/3/16

Avg 1 0.2946
Avg 2 0.2990
Avg 3 0.3066

Avg = 0.300



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 09/29/2016
 Time: 10:38:47

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

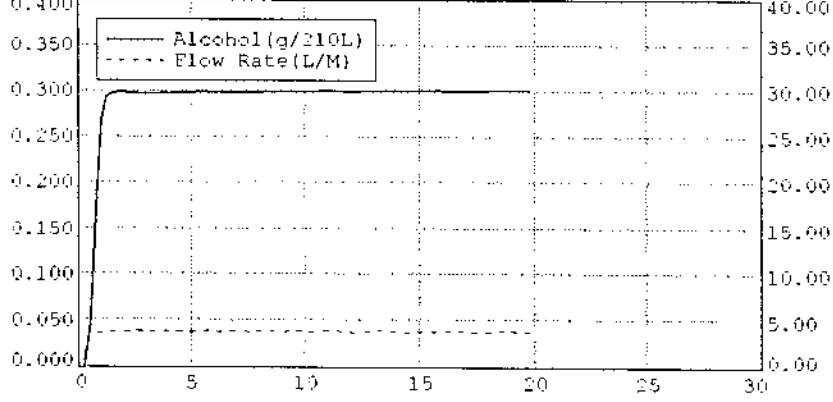
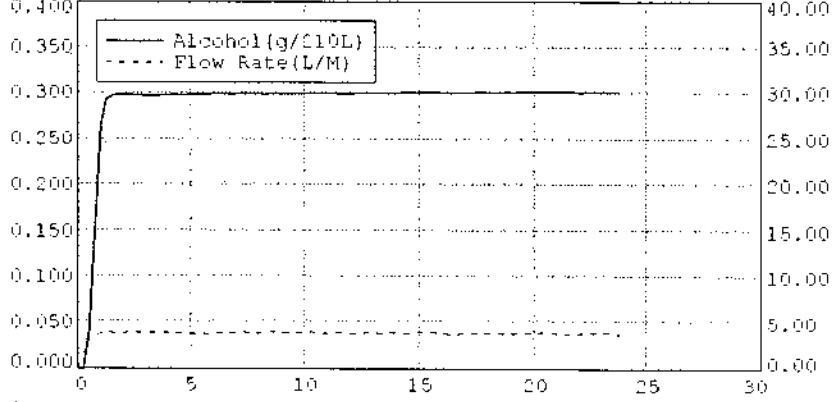
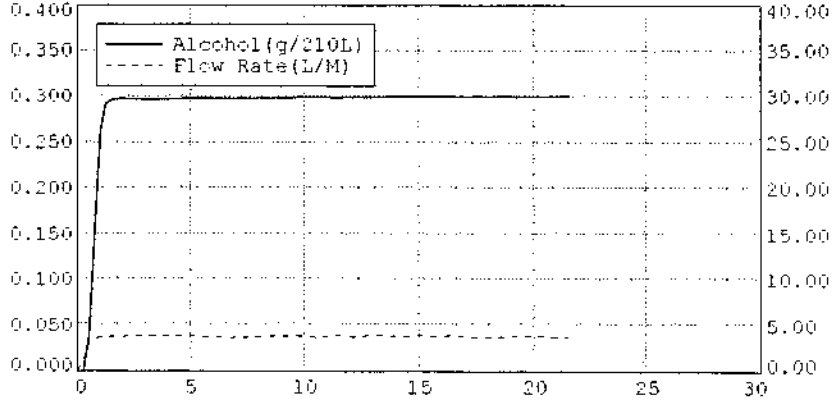
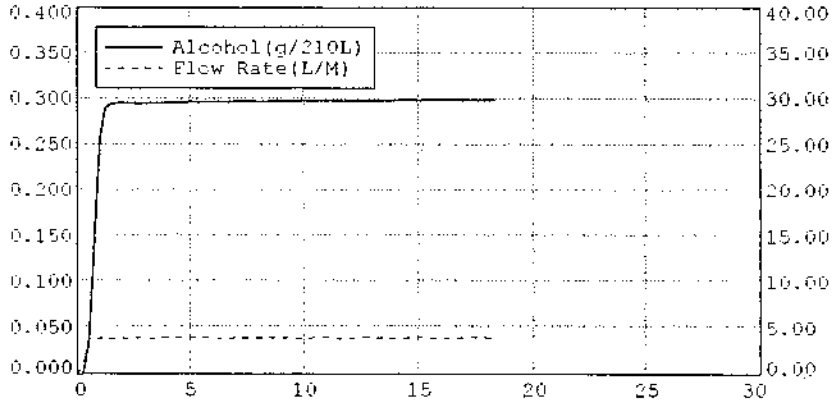
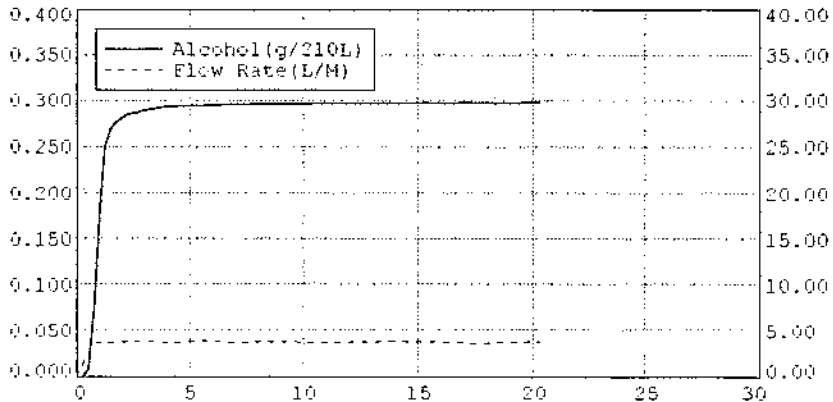
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	10:40
INTERNAL STANDARD	VERIFIED	10:40
EXTERNAL STANDARD	0.298	10:40
BLANK TEST	0.000	10:41
EXTERNAL STANDARD	0.298	10:42
BLANK TEST	0.000	10:43
EXTERNAL STANDARD	0.299	10:43
BLANK TEST	0.000	10:44
EXTERNAL STANDARD	0.300	10:44
BLANK TEST	0.000	10:45
EXTERNAL STANDARD	0.300	10:46
BLANK TEST	0.000	10:47

Average = 0.2990
 Std Dev = 0.0010

Both 0.300
Lot# 16210
Exp 8/22/18

Simulator SN DR4176
Calibrated 3/3/16



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 09/29/2016
 Time: 10:52:43

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.300

BLANK TEST	0.000	10:53
INTERNAL STANDARD	VERIFIED	10:54
EXTERNAL STANDARD	0.307	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.306	10:56
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.306	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.307	10:58
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.307	11:00
BLANK TEST	0.000	11:01

Average = 0.3066
 Std Dev = 0.0005

Guth 0.300
Lot# 16210
Exp 8/20/18

Simulator SN DR4176
Calibrated 8/3/16

