



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 **17060** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **February 15, 2017**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.1211%** (w/vol) ethyl alcohol. The expiration date for this lot number is **February 14, 2019** 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 **0.100 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 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: 100411

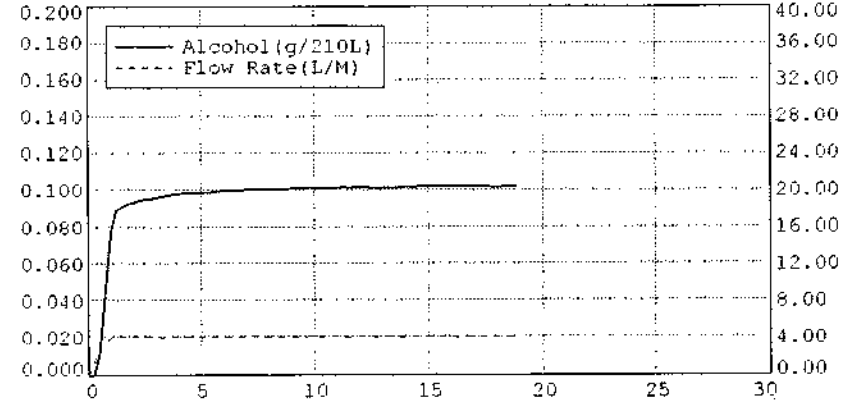
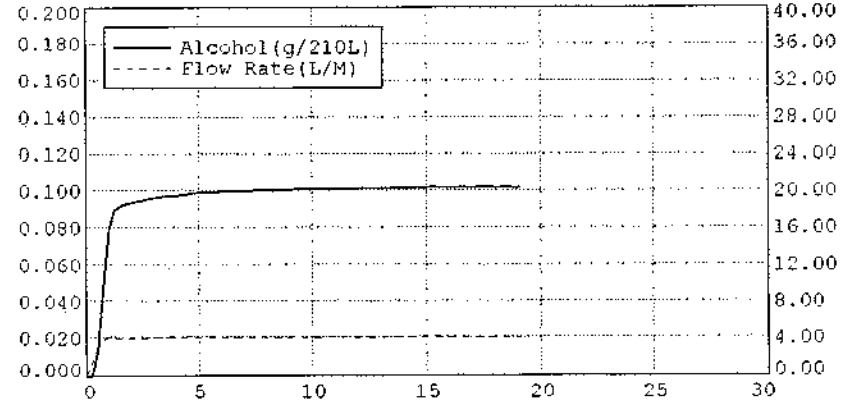
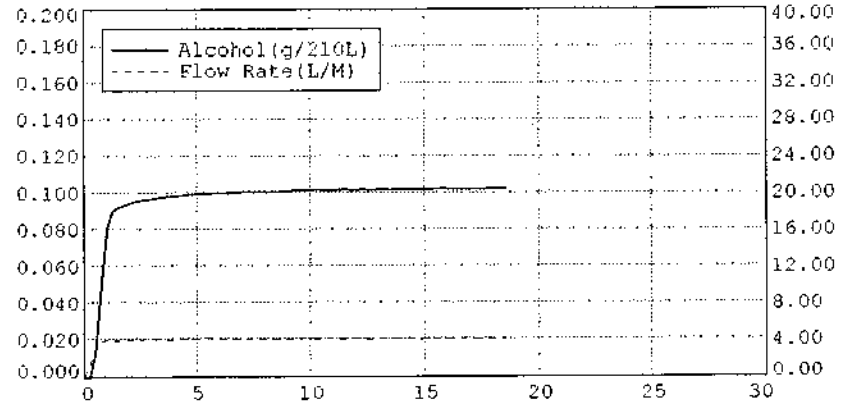
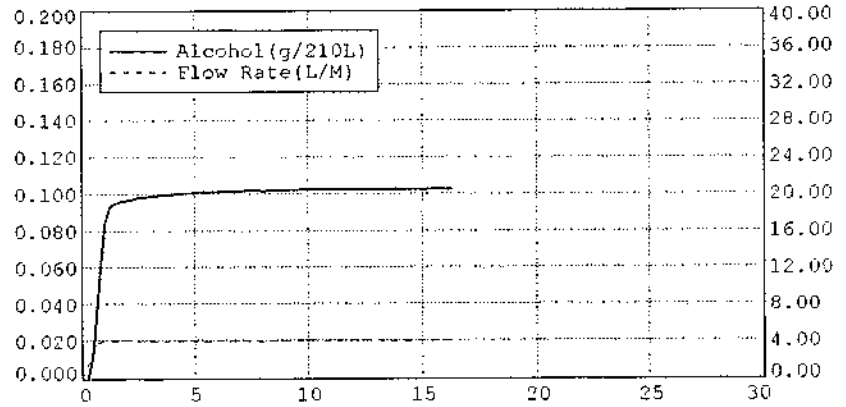
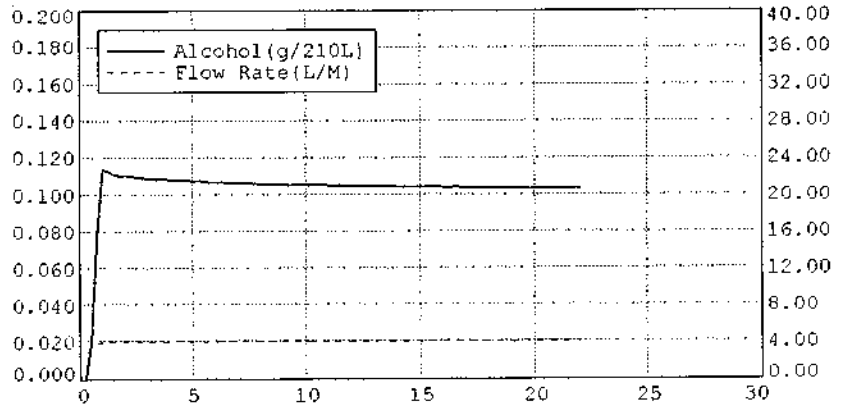
Date: 03/31/2017
 Time: 11:01:06

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.100

BLANK TEST	0.000	11:02
INTERNAL STANDARD	VERIFIED	11:02
EXTERNAL STANDARD	0.105	11:02
BLANK TEST	0.000	11:03
EXTERNAL STANDARD	0.104	11:04
BLANK TEST	0.000	11:04
EXTERNAL STANDARD	0.103	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.103	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.103	11:08
BLANK TEST	0.000	11:08

Average = 0.1036
 Std Dev = 0.0009



Guth 0.100
 Lot # 17060 Exp: 2/14/19

Smulator: DR4161
 Calibrated: 9/14/16

Avg: 0.102

SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100348

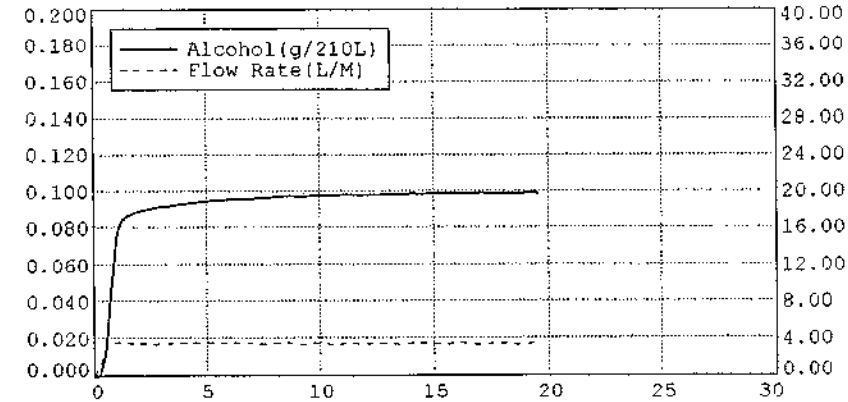
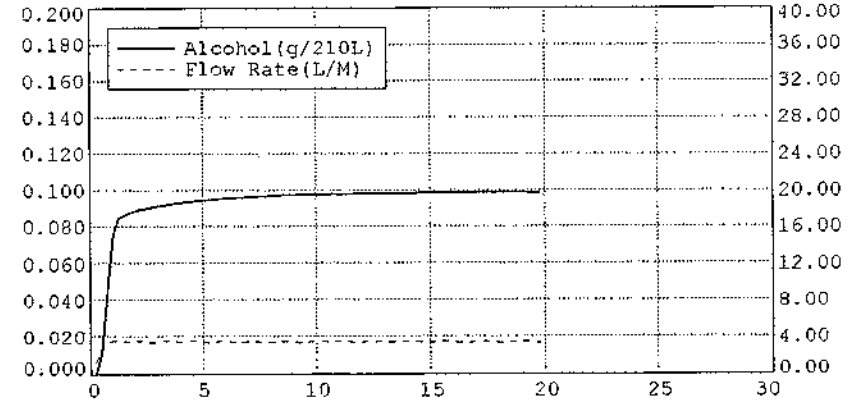
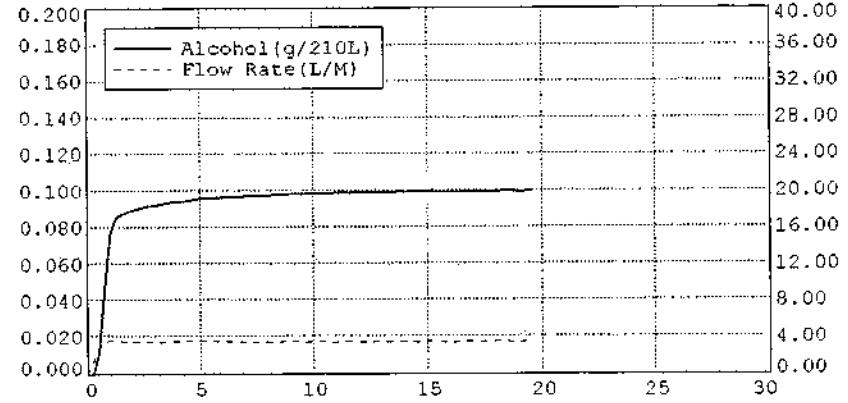
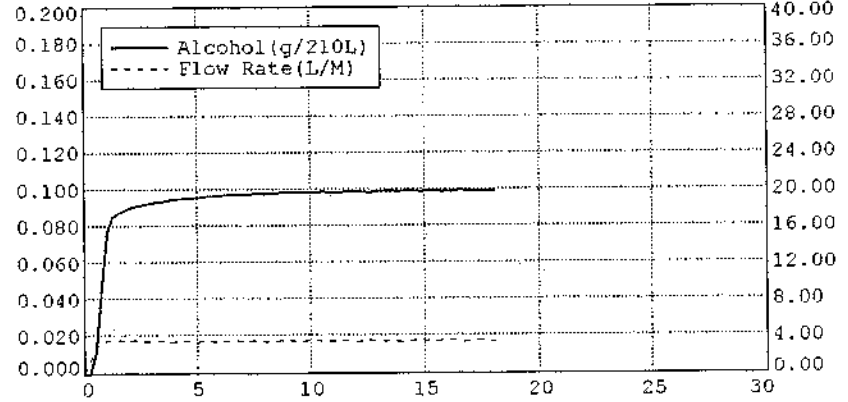
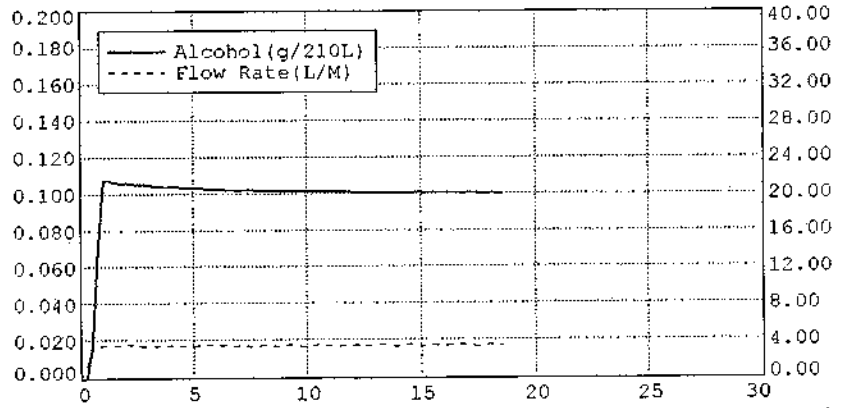
Date: 03/31/2017
Time: 10:53:28

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100

BLANK TEST	0.000	10:54
INTERNAL STANDARD	VERIFIED	10:54
EXTERNAL STANDARD	0.101	10:55
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.100	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.101	10:57
BLANK TEST	0.000	10:58
EXTERNAL STANDARD	0.100	10:59
BLANK TEST	0.000	10:59
EXTERNAL STANDARD	0.100	11:00
BLANK TEST	0.000	11:01

Average = 0.1004
Std Dev = 0.0005



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100353

Date: 03/31/2017
Time: 09:32:31

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.100

BLANK TEST	0.000	09:33
INTERNAL STANDARD	VERIFIED	09:33
EXTERNAL STANDARD	0.102	09:34
BLANK TEST	0.000	09:35
EXTERNAL STANDARD	0.103	09:35
BLANK TEST	0.000	09:36
EXTERNAL STANDARD	0.103	09:36
BLANK TEST	0.000	09:37
EXTERNAL STANDARD	0.104	09:38
BLANK TEST	0.000	09:38
EXTERNAL STANDARD	0.104	09:39
BLANK TEST	0.000	09:40

Average = 0.1032
Std Dev = 0.0008

