



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 **17090** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **February 27, 2017**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.2416%** (w/vol) ethyl alcohol. The expiration date for this lot number is **February 24, 2019** at 11:59 PM.

When used in a calibrated Simulator, operating at $34^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$, this solution will give a breath alcohol analysis instrument reading of **0.200 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 FN08101505 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: 03/31/2017
 Time: 11:06:50

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200

BLANK TEST	0.000	11:07
INTERNAL STANDARD	VERIFIED	11:08
EXTERNAL STANDARD	0.195	11:08
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.195	11:10
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.196	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.196	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.197	11:14
BLANK TEST	0.000	11:15

Average = 0.1958
 Std Dev = 0.0008

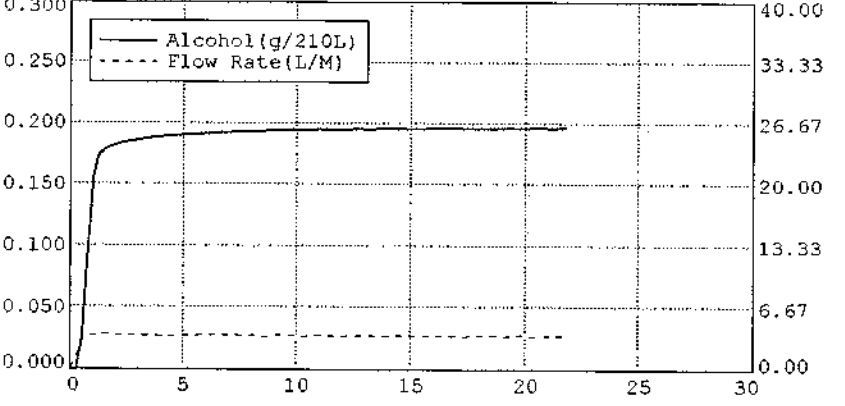
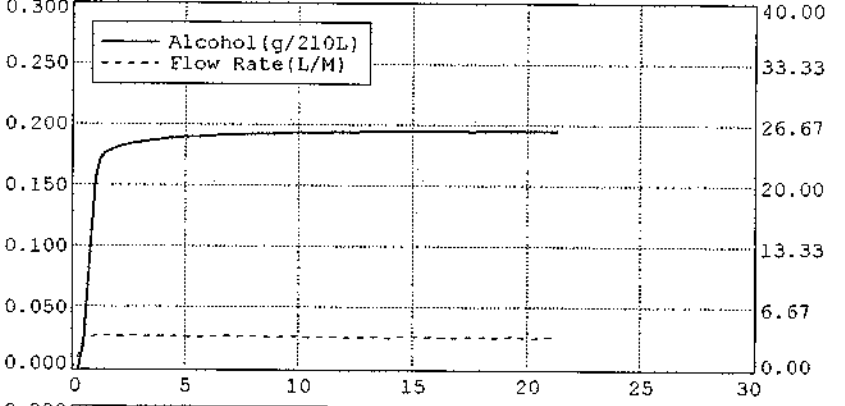
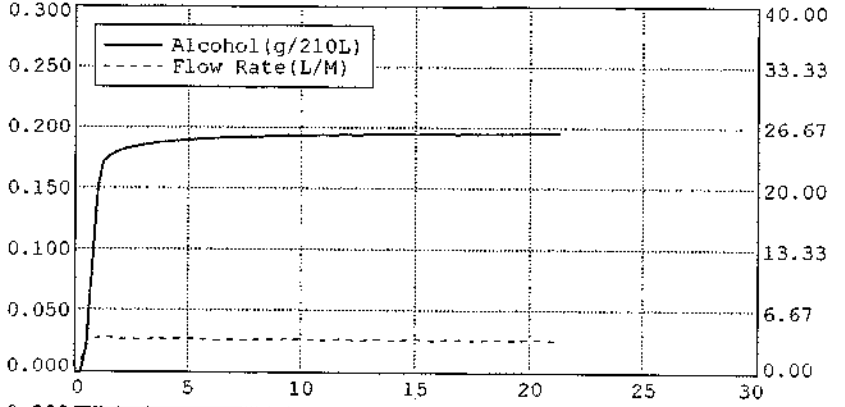
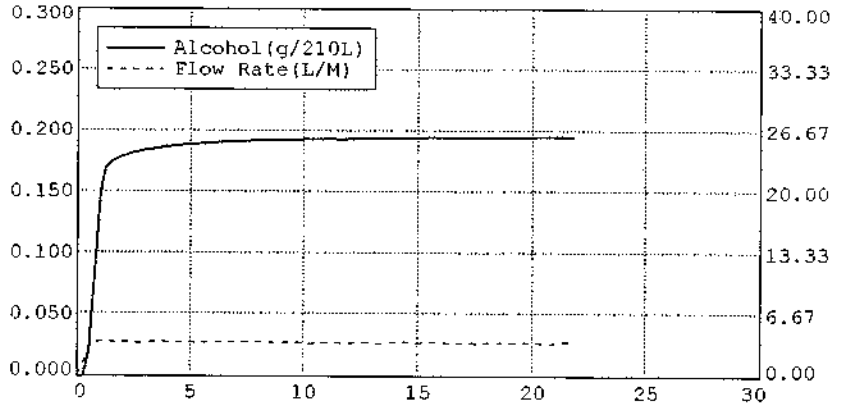
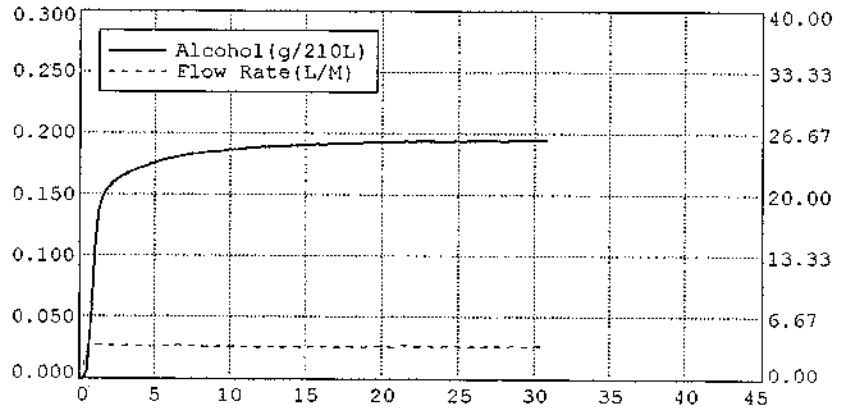
Guth 0.200

Lot 17090 Exp: 2/24/19

Simulator DR5298

Calibrated: 9/14/16

Avg: 0.201



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100353

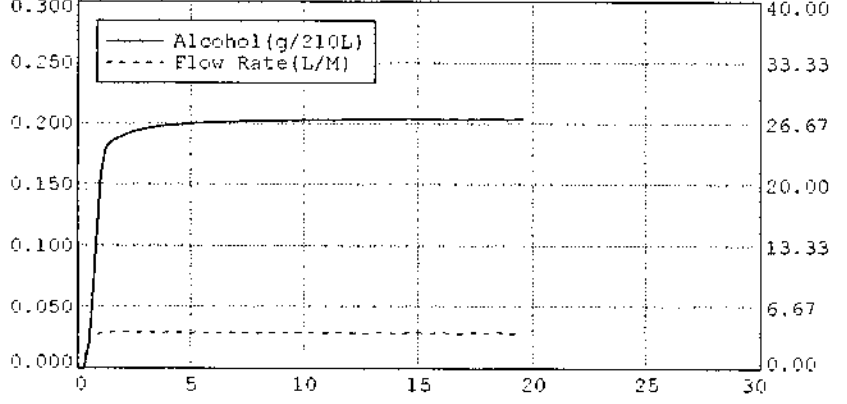
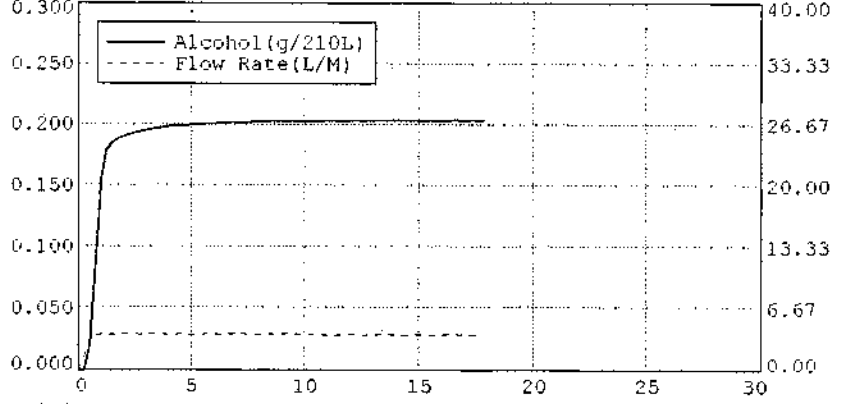
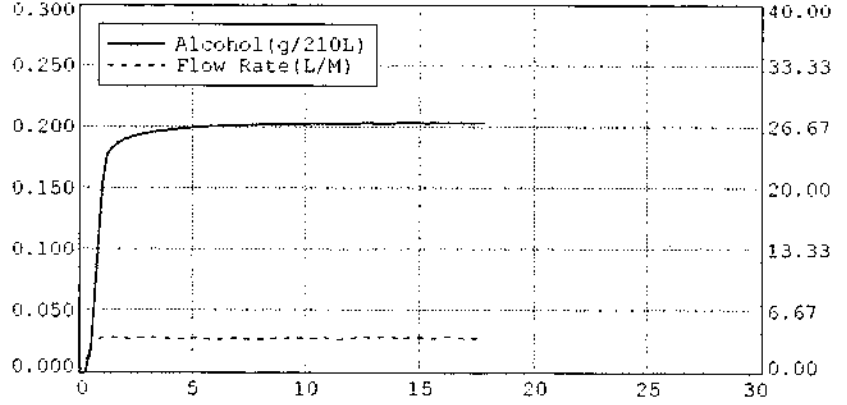
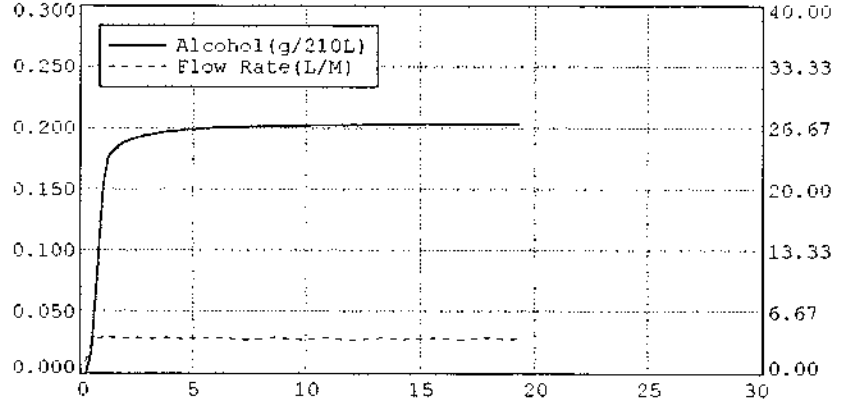
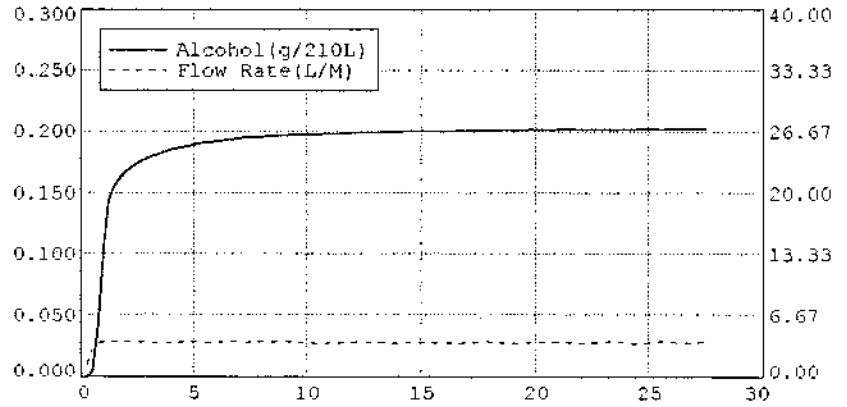
Date: 03/31/2017
 Time: 09:56:23

SUPERVISOR NAME:
 BRANDI BARNETT
 OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200

BLANK TEST	0.000	09:57
INTERNAL STANDARD	VERIFIED	09:57
EXTERNAL STANDARD	0.204	09:58
BLANK TEST	0.000	09:59
EXTERNAL STANDARD	0.204	09:59
BLANK TEST	0.000	10:00
EXTERNAL STANDARD	0.204	10:00
BLANK TEST	0.000	10:01
EXTERNAL STANDARD	0.204	10:02
BLANK TEST	0.000	10:03
EXTERNAL STANDARD	0.205	10:03
BLANK TEST	0.000	10:04

Average = 0.2042
 Std Dev = 0.0004



SUPERVISOR TEST

Alaska Department of Public Safety
DATAMASTER dmt: 100411

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

SUPERVISOR NAME:
BRANDI BARNETT
OPERATOR'S #: 7038

EXTERNAL STANDARD INFORMATION
NOMINAL: 0.200

BLANK TEST	0.000	10:29
INTERNAL STANDARD	VERIFIED	10:29
EXTERNAL STANDARD	0.203	10:30
BLANK TEST	0.000	10:31
EXTERNAL STANDARD	0.204	10:31
BLANK TEST	0.000	10:32
EXTERNAL STANDARD	0.203	10:33
BLANK TEST	0.000	10:34
EXTERNAL STANDARD	0.204	10:34
BLANK TEST	0.000	10:35
EXTERNAL STANDARD	0.203	10:35
BLANK TEST	0.000	10:36

Average = 0.2034
Std Dev = 0.0005

