



GUTH LABORATORIES, INC.

590 NORTH 67th STREET • HARRISBURG, PA 17111-4811 • TELEPHONE: 717-564-5470

CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number **16190** of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on **August 16, 2016**, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain **0.2412%** (w/vol) ethyl alcohol. The expiration date for this lot number is **August 15, 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 **0.200 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: 09/29/2016
 Time: 11:14:19

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200

BLANK TEST	0.000	11:15
INTERNAL STANDARD	VERIFIED	11:15
EXTERNAL STANDARD	0.196	11:15
BLANK TEST	0.000	11:16
EXTERNAL STANDARD	0.196	11:17
BLANK TEST	0.000	11:18
EXTERNAL STANDARD	0.196	11:18
BLANK TEST	0.000	11:19
EXTERNAL STANDARD	0.196	11:19
BLANK TEST	0.000	11:20
EXTERNAL STANDARD	0.196	11:21
BLANK TEST	0.000	11:22

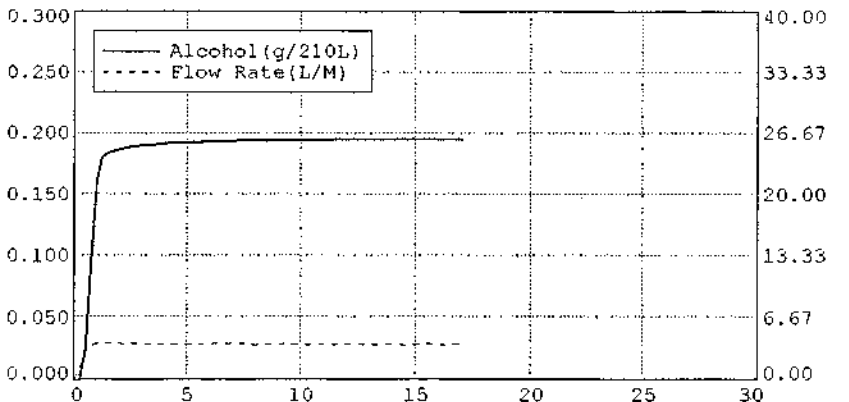
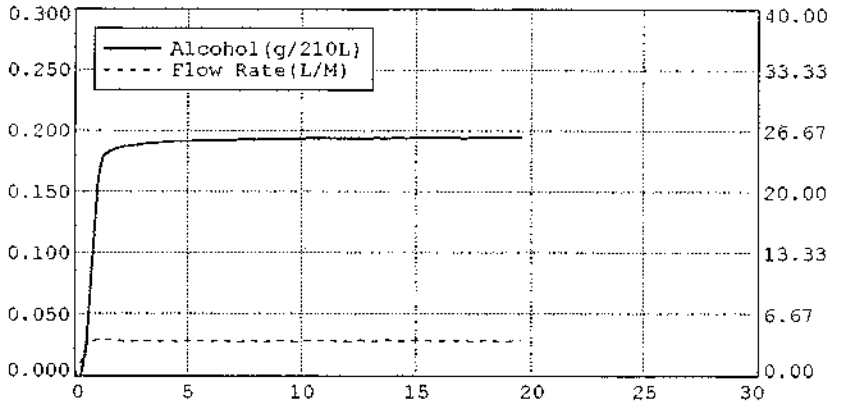
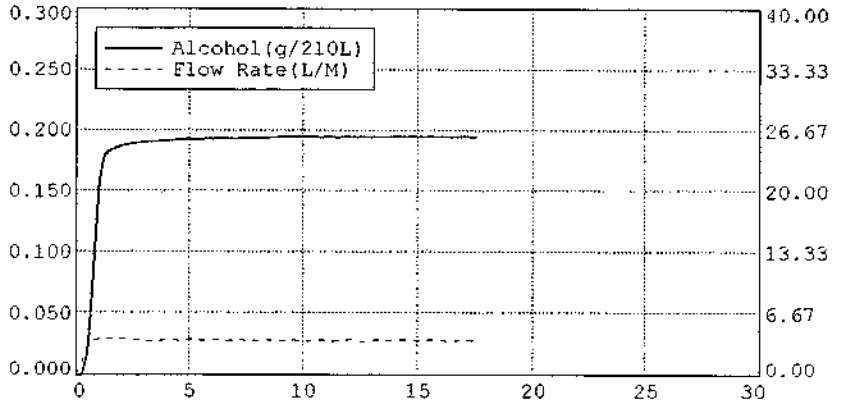
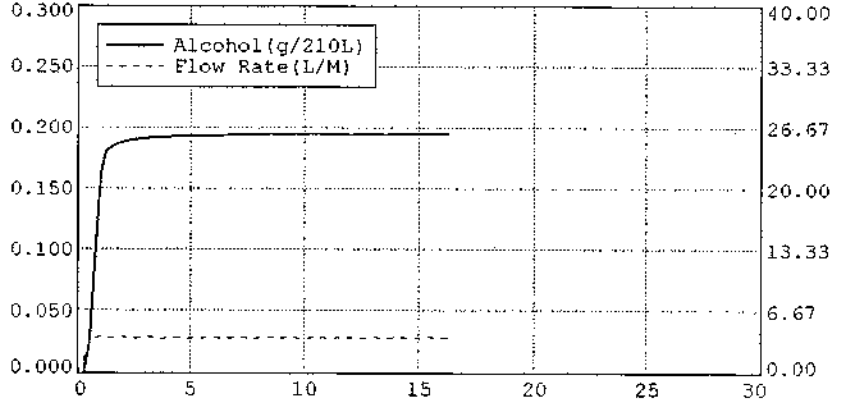
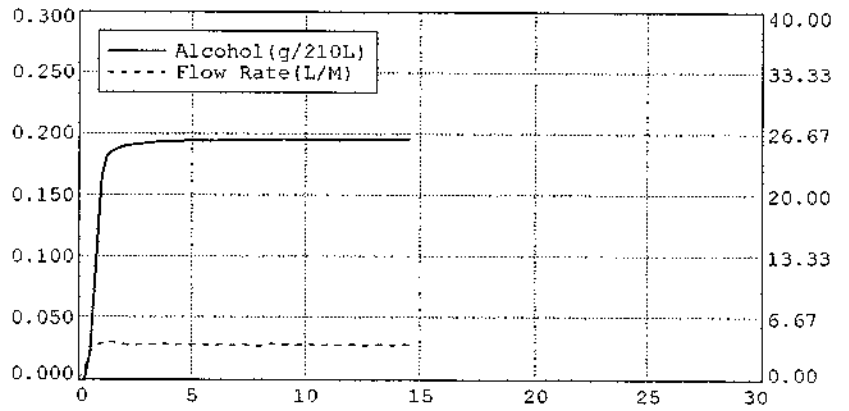
Average = 0.1960
 Std Dev = 0.0000

Guth 0.200
Lot # 16190
Exp 8/15/18

Simulator SN DR 6267
Calibrated 3/3/16

Av9 1 0.1960
Av9 2 0.2046
Av9 3 0.2032

Av9 = 0.201



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100377

Date: 09/29/2016
 Time: 10:51:22

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

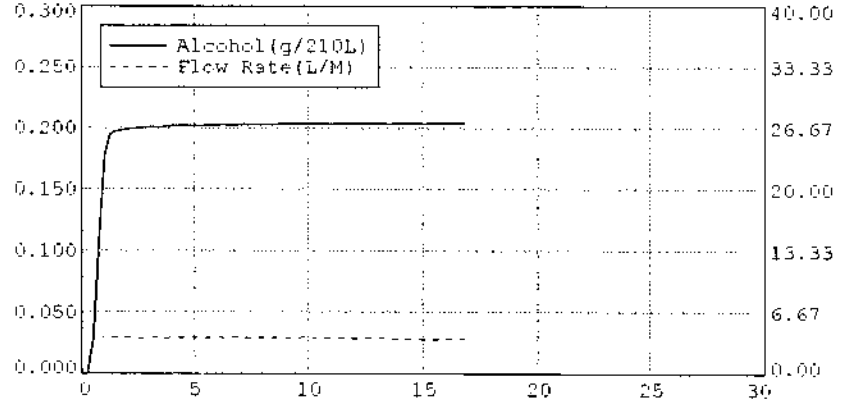
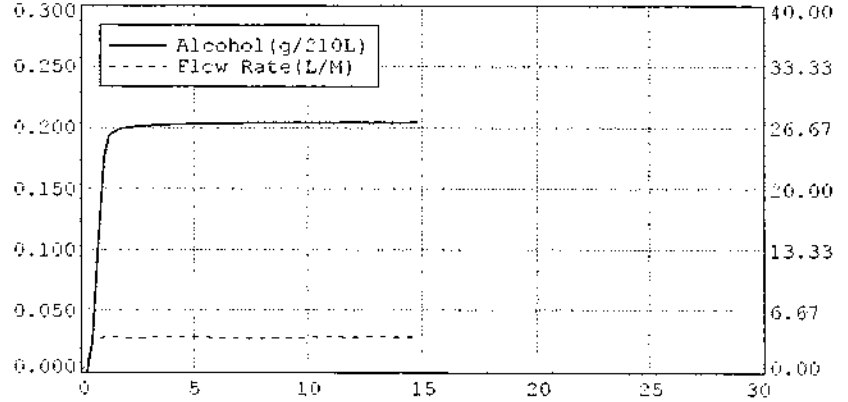
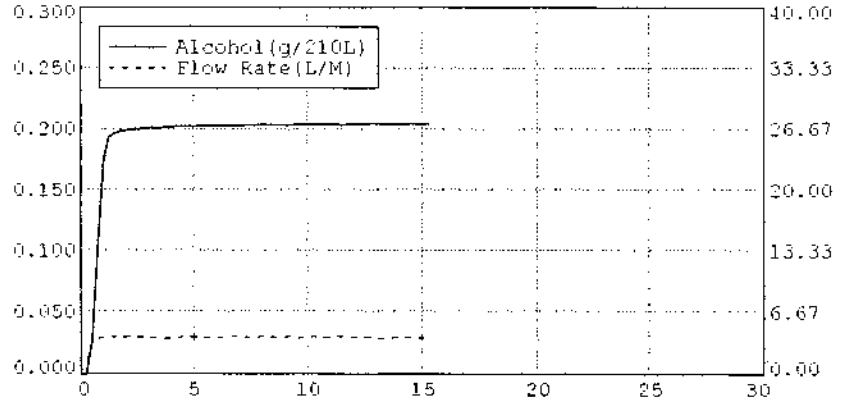
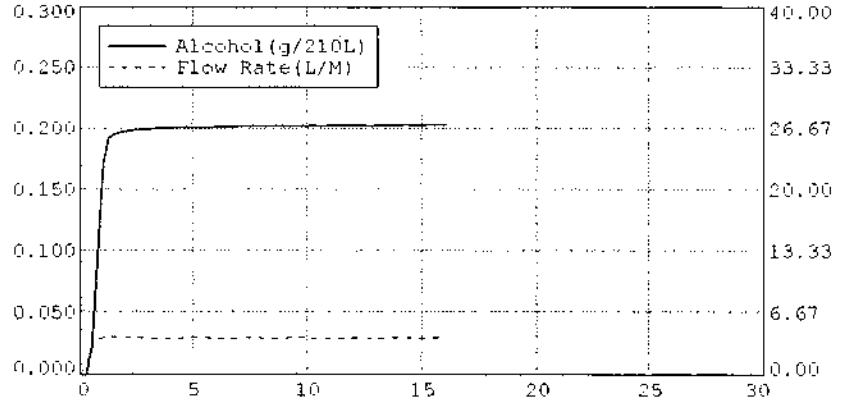
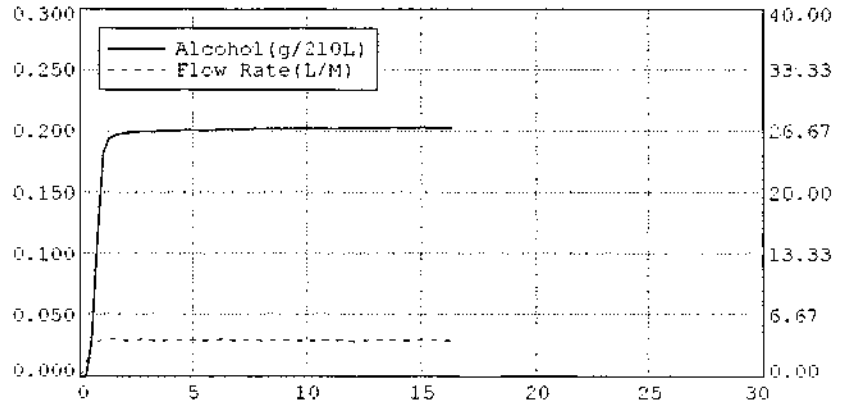
EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200

BLANK TEST	0.000	10:52
INTERNAL STANDARD	VERIFIED	10:52
EXTERNAL STANDARD	0.204	10:52
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.204	10:54
BLANK TEST	0.000	10:55
EXTERNAL STANDARD	0.205	10:55
BLANK TEST	0.000	10:56
EXTERNAL STANDARD	0.205	10:56
BLANK TEST	0.000	10:57
EXTERNAL STANDARD	0.205	10:58
BLANK TEST	0.000	10:58

Average = 0.2046
 Std Dev = 0.0005

Guth 0.200
Lot# 16190
Exp 8/15/18

Simulator SN DR6267
Calibrated 3/3/16



SUPERVISOR TEST

Alaska Department of Public Safety
 DATAMASTER dmt: 100411

Date: 09/29/2016
 Time: 11:03:07

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

EXTERNAL STANDARD INFORMATION
 NOMINAL: 0.200

BLANK TEST	0.000	11:04
INTERNAL STANDARD	VERIFIED	11:04
EXTERNAL STANDARD	0.204	11:05
BLANK TEST	0.000	11:06
EXTERNAL STANDARD	0.203	11:06
BLANK TEST	0.000	11:07
EXTERNAL STANDARD	0.203	11:07
BLANK TEST	0.000	11:08
EXTERNAL STANDARD	0.203	11:09
BLANK TEST	0.000	11:10
EXTERNAL STANDARD	0.203	11:10
BLANK TEST	0.000	11:11

Average = 0.2032
 Std Dev = 0.0004

Guth 0.200
Lot # 16190
Exp 8/15/18

Simulator SN DE6267
Calibrated 3/3/16

