CERTIFICATION REPORT

DataMaster DMT: 100141
Calibration Date: 11/01/2011
Certification Date: 11/01/2011
Certified by: KIRK L KIMBALL

VERMONT
DEPARTMENT OF HEALTH

Diagnostic Results

VERSIONS
DMT 1.04
PIC 2.05
Modem 1.06
Questions 1.00
Reports 1.02

TEMPERATURES
Sample Chamber = 49.32°C
Breath Tube = 47.80°C
Digital Sim = 33.8°C

SETTINGS
Lamp Voltage = 1.73 V
Cooler Voltage = 1.74 V
Bias Voltage = 80.2 V
Chopper Freq = 545.8 Hz

PUMP INFO
Flow Rate = 6.082 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.0530	0.0549
MIN(V)	0.0516	0.0535

FILTER INFO
Filter 1 0.054 Zero = true
Filter 2 0.355 Zero = true
Filter 3 0.671 Zero = true

CALIBRATION CHECK
Xq = 0.0791 0.22%

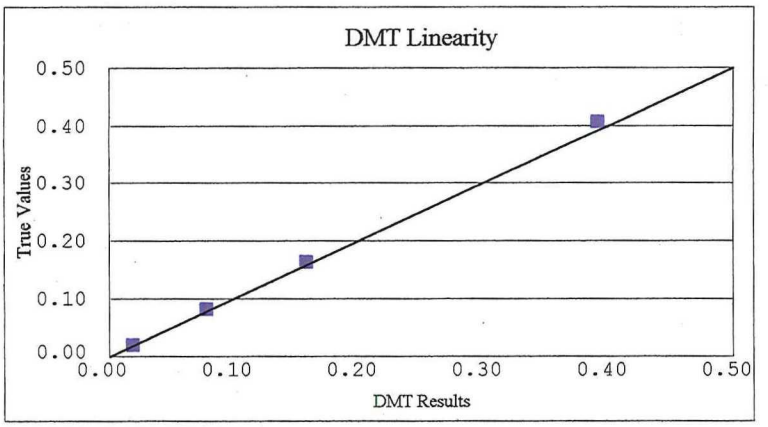
Options

Printer: yes
Number of Copies: 3
Number of Supervisor Tests: 10
Tolerance Check: yes
Data Collection: yes
Units: g/210L
Simulator Check: yes
Uses Wet Bath Simulator: yes
Simulator Nominal: 0.100
Digital Simulator: none
Simulator Before: yes
Simulator Between: yes
Simulator After: no
Number of Subject Tests: 2
AskQuestions: yes
Query Refusal: yes
Alcohol Display: yes
Show Two Digits: no
Volume Display: yes
Number of Calibration Tests: 1
Calibrate with Wet Bath: yes
Calibration Nominal: 0.100

Linearity Check Results

True Value	Reported Average	Std Dev
0.020 g/210L Lot # 12-23-020	0.019 g/210L	0.001
0.082 g/210L Lot # 12-21-080	0.078 g/210L	0.000
0.163 g/210L Lot # 12-24-160	0.158 g/210L	0.000
0.407 g/210L Lot # 12-25-400	0.391 g/210L	0.001

$R^2 = 1.0000$



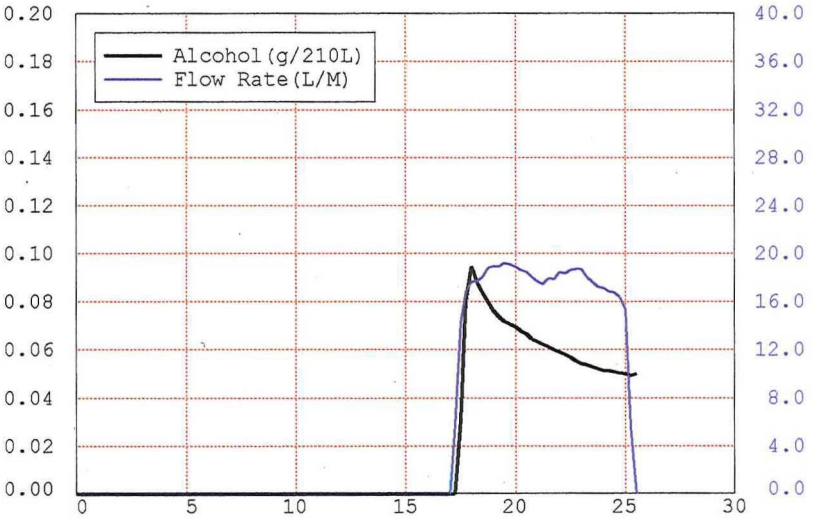
Acetone Interference Test

Lot # 12-21-080A1

Interference Detected

Mouth Alcohol Test

Mouth Alcohol Detected

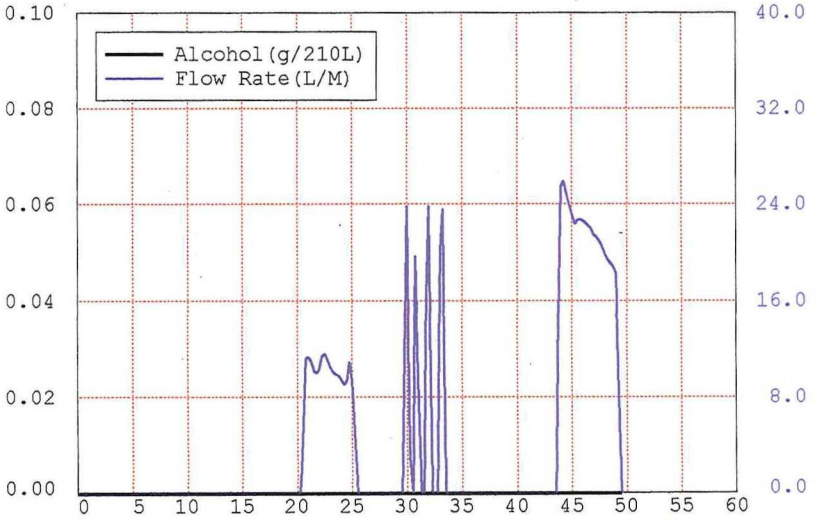


RF Interference Test

RFI detected

Sample Acceptance Test

Passed



CERTIFICATION PASSED

Performed by [signature] Date 11/01/2011

Reviewed by [signature] Date 11/02/11

Reviewed 11/3/11 [signature]