

ROUTINE PERFORMANCE CHECK REPORT



DataMaster DMT: 100151
Location: NEWPORT PD
Calibration Date: 03/31/2021
Certification Date: 03/31/2021
Installation Date: 04/09/2021
RPC Date: 06/27/2025
Supervisor Name: CHARLES D MOULTON

Diagnostic Results

VERSIONS
DMT: 2.06
PIC: 3.07
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.7°C
Breath Tube = 47.1°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.84 V
Cooler Voltage = 1.83 V
Bias Voltage = 80 V
Chopper Freq = 538 Hz

PUMP INFO

Flow Rate = 4.781 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX(V)	0.1394	0.1421
MIN(V)	0.1376	0.1409

FILTER INFO

Filter	Value	Zero
Filter 1	0.142	true
Filter 2	0.499	true
Filter 3	1.230	true

CALIBRATION CHECK

Xq = 0.090 2.86%

Routine Performance Check Passed

pre-review: Brittan Aug 6/30/2025

Accuracy and Precision Check

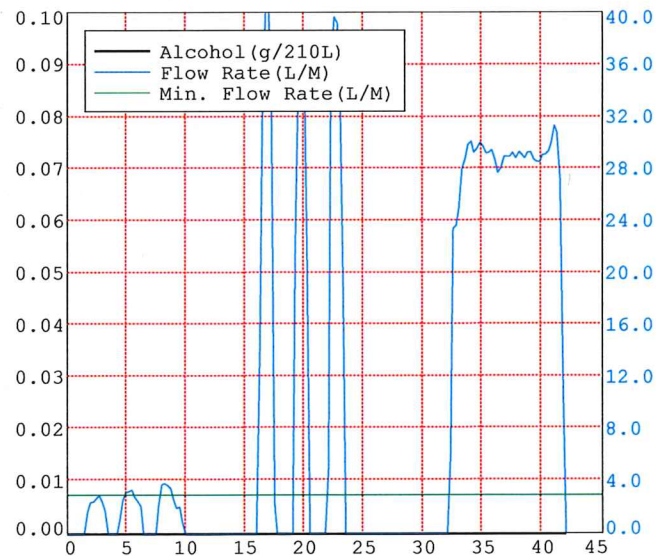
Concentration = 0.102 g/210L
Lot # = 25-11-100
Range = 0.097 - 0.107
Average = 0.099 g/210L
Std Dev = 0.0005

RF Detection Test

Passed
RF detected

Sample Acceptance Test

Passed



Performed by

Date

06/27/2025

Reviewed by

Date

7/3/25

DMT Serial Number #100151

Page 1 of 1

06/27/2025 7:07 PM

100151

BMS

7/3/25

page 1 of 2

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RPC Date: 06/27/2025
Supervisor Name: CHARLES D MOULTON

Diagnostic Results

VERSIONS
DMT: 2.06
PIC: 3.07
Modem: 2.6
Questions: 2.1

TEMPERATURES

Sample Chamber = 48.8°C
Breath Tube = 47.7°C
Digital Sim = 34.0°C

SETTINGS

Lamp Voltage = 1.84 V
Cooler Voltage = 1.83 V
Bias Voltage = 80 V
Chopper Freq = 538 Hz

PUMP INFO

Flow Rate = 4.675 L/M

DETECTOR INFO

PUMP	ON	OFF
MAX (V)	0.1358	0.1394
MIN (V)	0.1341	0.1382

FILTER INFO

Filter 1	0.139	Zero = true
Filter 2	0.496	Zero = true
Filter 3	1.226	Zero = true

CALIBRATION CHECK

Xq = 0.090 2.37%

Routine Performance Check Failed

Reason: ACCURACY AND PRECISION CHECK FAILED

Accuracy and Precision Check

Concentration
Lot #
Range
Average
Std Dev
RF Detected

Performed by

Date

06/27/2025

Reviewed by

Date

DMT Serial Number #100151

Page 1 of 1

06/27/2025 6:53 PM

100151

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page 2