

# Alaska Scientific Crime Detection Laboratory

## DataMaster Evaluation Form

Effective: 11/10/2021

Version: 2.0

Instrument #: 100692

Analyst(s): Carlie Alaister

Start Date: 7/11/2022

Reason for instrument evaluation

Returned to check files

### Visual Inspection

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Clean   | <input checked="" type="checkbox"/> Replace missing screws            |
| <input checked="" type="checkbox"/> Cermetex Box (modem) is secure                            | <input checked="" type="checkbox"/> Ensure modem cable present        |
| <input checked="" type="checkbox"/> Double Check Valve secured to wall                        | <input checked="" type="checkbox"/> All tubing and connections secure |
| <input checked="" type="checkbox"/> O-ring inspection and ensure 2 replacement O-rings in bag |   |

### Troubleshooting/Repair

Replaced O-ring.

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> VOC (attached)                            | <input checked="" type="checkbox"/> Verify software version              |
| <input checked="" type="checkbox"/> VOC Internal Standard value $\leq 3.00\%$ | <input checked="" type="checkbox"/> Non-Drinking Subject Test (attached) |
| <input type="checkbox"/> Return to Factory                                    | <input type="checkbox"/> Ready for Calibration                           |
| <input checked="" type="checkbox"/> Ready for Certification                   | <input type="checkbox"/> Proceed to Close Out                            |
| <input type="checkbox"/> Further Evaluation Needed                            |  |

End Date: 7/11/2022

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Approved by: Chemistry Supervisor

# VERIFICATION OF CALIBRATION REPORT

of DataMaster dmt Breath Test Instrument

State of Alaska

Serial #: 100692

Scientific Crime Detection Laboratory - Statewide Breath Alcohol Program

Date: 07/11/2022

## External Standard Test Values

### EXTERNAL STANDARD INFORMATION

NOMINAL: 0.080  
TARGET AT 29.50: 0.079  
LOT #: AG113402  
EXPIRATION: 05/14/2023  
TANK PRESSURE: 1228 psi

BLANK TEST	0.000	10:49
INTERNAL STANDARD	VERIFIED	10:49
Xq = 0.093 (2.80%)		
EXTERNAL STANDARD	0.079	10:49
X[1] = 0.0794 (0.0019) (0.0026)		
BLANK TEST	0.000	10:50
EXTERNAL STANDARD	0.080	10:51
X[1] = 0.0795 (0.0025) (0.0024)		
BLANK TEST	0.000	10:51
EXTERNAL STANDARD	0.080	10:52
X[1] = 0.0795 (0.0017) (0.0024)		
BLANK TEST	0.000	10:53
EXTERNAL STANDARD	0.080	10:53
X[1] = 0.0796 (0.0019) (0.0021)		
BLANK TEST	0.000	10:54
EXTERNAL STANDARD	0.080	10:54
X[1] = 0.0800 (0.0022) (0.0020)		
BLANK TEST	0.000	10:55

Average = 0.0798  
Std Dev = 0.0004

## Diagnostic Check

### VERSIONS

DMT: 3.02  
PIC: 3.03  
Modem: 2.6  
Questions: 2.2

### TEMPERATURES

Sample Chamber = 49.1°C	PASSED
(44.0°C - 52.0°C)	
Breath Tube = 48.1°C	PASSED
(38.0°C - 50.0°C)	

### SETTINGS

Lamp Voltage = 1.77 V	PASSED
(1.00 V - 2.34 V)	
Cooler Voltage = 1.55 V	PASSED
(1.00 V - 2.34 V)	
Bias Voltage = 79 V	PASSED
(47 V - 111 V)	
Chopper Freq = 533 Hz	PASSED
(475 Hz - 575 Hz)	
Barometer = 29.5 in	

### PUMP INFO

Flow Rate = 4.036 L/M	PASSED
(3.500 L/M - 6.500 L/M)	

### DETECTOR INFO

PUMP ON	PASSED
(0.002 V <= 0.010 V)	
PUMP OFF	PASSED
(0.001 V <= 0.010 V)	

### FILTER INFO

Filter 1	PASSED
Filter 2	PASSED
Filter 3	PASSED

INTERNAL STANDARD PASSED

Xq = 0.093 2.22% (0.00% - 4.00%)

SUBJECT TEST

Alaska Department of Public Safety  
DATAMASTER dmt: 100692

Date: 07/11/2022  
Time: 10:58:57

SUBJECT NAME:  
TEST TEST  
LICENSE #: XXXX

OPERATOR NAME:  
CARLIE GLAISTER  
OPERATOR'S #: 10436

DEPT/AGENCY:  
NON-DRINKING SUBJECT TEST  
CASE/REPORT: XXXX  
TEST TYPE: TEST

EXTERNAL STANDARD INFORMATION

NOMINAL:	0.080	PASSED	10:59
TARGET AT	29.51: 0.079	0.000	11:00
BLOT #:	AG113402	VERIFIED	11:00
EXPIRATION:	05/14/2023	0.080	11:00
DIAGNOSTIC CHECK		0.000	11:01
BLANK TEST		0.000	11:01
INTERNAL STANDARD		0.000	11:02
EXTERNAL STANDARD		0.080	11:03
BLANK TEST		0.000	11:03

*CVK*

