Alaska Scientific C	rime Detection Laboratory
DataMaste	r Certification Form
Issued: 05/15/2020 Effective: 05/15/2020	C.OByzant Version: DMCEF 2020 R0 Status: Active
Instrument S/N 100380 Analyst	Carlie Glaister Start Date 10/15/2021
Diagnostic Test (attached)	Internal Standard value $\leq 3.00\%$
Voltage Checks	
Adjust voltages, if needed	
i. Lamp (2.6V Maximum)	iv. Chopper Frequency
ii. Bias	v. Detector Voltage (-0.100V
iii. Cooler (2.0V Maximum) to 0.100V)
Set RFI	
Adjust barometer reading to match	NIST traceable barometer
Adjust volume setting, if needed (1.	
Print Technician Screen (attached)	
Print Calibration Factors (attached)	
Volume Test - Minimum 1.5	L (1.3L to 1.7L)
Linearity Test (attached)	
Levels Used	
	Gas Lot AG-100401 Exp 01/04/2023
	gas Lot AG111710 Exp. 04/27/2023
	995 Lot AG-018102 Exp 06/29/2022
	905 Lot AG-108404 Exp 03/25/2023
v. 0.200g/210L Mnf	the Lot 20510 Exp 12/03/2022
Simulator S/N_DR	4/41 Date Calibrated Ou/14/2021
vi. 0.300g/210L Mnf GL	th Lot 21030 Exp 02/02/2023
Simulator S/N SDI	202 Date Calibrated 04/15/2021
Functional Tests (attached)	
Incomplete	Invalid
Interference	La mound
i. Acetone - Mnf Gut	Lot 19301 Level 0.100 Exp 10/30/21
	1177 Date Calibrated 00/15/2021
ii. Isopropanol - Mnf Gu	th Lot 1930 Level 0.100 Exp 10/30/21
Simulator S/N SQ	198 Date Calibrated 00/15/2021
	of Guth Lot 1930/ Level 0.100 Exp / 0/30/21
	1088 Date Calibrated 06/15/2021
Exceeded Attempts	RFI
	_/
Verify stylus is calibrated	Verification of Calibration
Reset Options	Non-Drinking Subject Test (attached)
Slear Memory	Le pload
Remove tank prior to shut down	Add Linearity Data to Spreadsheet
End Date 10/15/2021	Page 1 of 1

Performed with C. O'Bryant 2021.10.15

All printed copies are uncontrolled.

Approved by Forensic Alcohol Supervisor

DIAGNOSTIC RECORD

Alaska Department of Public Safety DATAMASTER dmt: 100380

Date: 10/15/2021 Time: 10:31:19

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

TEMPERATURES

Sample Chamber = 48.7°C	PASSED	
(44.0°C - 52.0°C)		
Breath Tube = 46.2 °C	PASSED	
(38.0°C - 50.0°C)		
SETTINGS		
	PASSED	
(1.00 V - 2.32 V)		
Cooler Voltage = $1.56 V$	PASSED	
(0.95 V - 2.23 V)		
Bias Voltage $= 80 V$	PASSED	
(48 V - 112 V)		
Chopper Freq = 528 Hz	PASSED	
(475 Hz - 575 Hz)		
Barometer = 29.4 in		
PUMP INFO		
Flow Rate = 4.748 L/M	PASSED	
(3.500 L/M - 6.500 L/M)	110010	
DETECTOR INFO		
PUMP ON	PASSED	
$(0.002 V \le 0.010 V)$	110000	
PUMP OFF	PASSED	
$(0.002 V \le 0.010 V)$	1100000	
FILTER INFO		
Filter 1	PASSED	
Tilter 0	PASSED	
Thilt a	PASSED	
INTERNAL STANDARD	PASSED	
Xq = 0.086 0.60% (0.00% - 4.00%)	Contraction of the second second second	

DATAMASTER dmt: 100380 Date: 10/15/2021 Time: 10:45 AM Temperatures (°C) Sample Cell: 48.9°C Breath Tube: 46.0°C Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V Detector: 0.048 V	Technician Scree	n
Date: 10/15/2021 Time: 10:45 AM Temperatures (°C) Sample Cell: 48.9°C Breath Tube: 46.0°C Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V		
Time: 10:45 AM Temperatures (°C) Sample Cell: 48.9°C Breath Tube: 46.0°C Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	DATAMASTER dmt: 10	0380
Temperatures (°C) Sample Cell: 48.9°C Breath Tube: 46.0°C Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Date: 10/15/2021	
Sample Cell: 48.9°C Breath Tube: 46.0°C Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Time: 10:45 AM	
Sample Cell: 48.9°C Breath Tube: 46.0°C Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Temperatures (°C)	
Current Barometer 29.4 in Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V		48.9°C
Volume (Ltr) 1.58 Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Breath Tube:	46.0°C
Settings Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Current Barometer	29.4 in
Lamp: 1.61 V Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Volume (Ltr)	1.58
Bias: 80 V Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Settings	
Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Lamp:	1.61 V
Cooler: 1.95 V Chopper: 529 Hz Voltages (V) Flow: 1.04 V	Bias:	80 V
Voltages (V) Flow: 1.04 V	Cooler:	1.95 V
Flow: 1.04 V	Chopper:	529 Hz
	Voltages (V)	
Detector: 0.048 V	Flow:	1.04 V
	Detector:	

CALIBRATION FACTORS

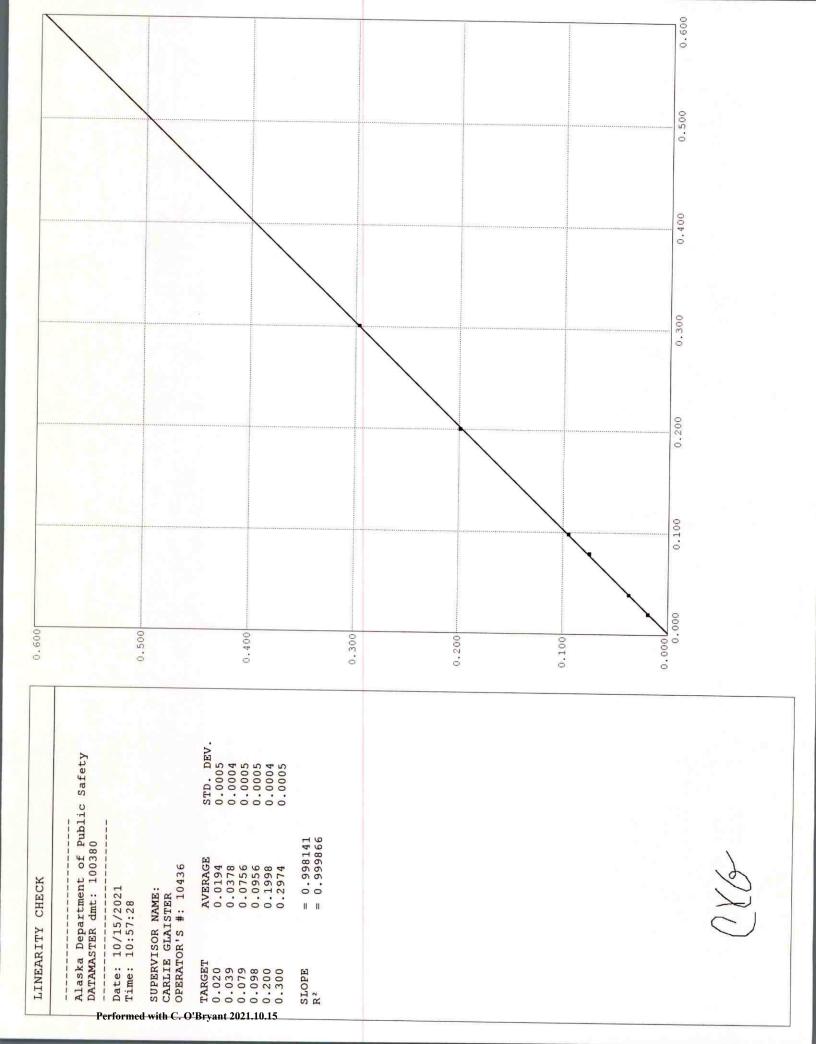
Alaska Department of Public Safety DATAMASTER dmt: 100380

Date: 10/12/2021 Time: 14:32:42

OPERATOR NAME: CARLIE GLAISTER CERTIFICATE #: 10436

Ca	=	0.1000						
CAL	=	0.950703	0.800	<=	CAL	<	1.200	
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		0.0061					0.0100	
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		0.0864					0.2000	
a21	=	1.200696	1.050	<=	a21	<	1.300	
a31	=	0.480597	0.300					

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	Safety											
	Public S					MATION	E	000			·)	
	t of Pu 100380			136	rest (NDARD INFOR 180 1.36: 0.078 102 06/29/2022	0 0 01=1.5	_			5	Q. 1
TEST	Department TER dmt: 1	10/15/2021 10:48:05	T #: XXXX	AME: ISTER #: 104	Y: DLUME 7 T: XXXX TEST	ZANDARI 080 29.36: 8102 06/29	CHECK ANDARD ANDARD ANDARD (PLE (V	ANDARD			Ć)
SUBJECT T		Date: 10/15/20 Time: 10:48:05		OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: 10436	DEPT/AGENCY: MINIMUM VOLUME TEST CASE/REPORT: XXXX TEST TYPE: TEST	EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.36: 0.078 LOT #: AG018102 EXPIRATION: 06/29/2022	DIAGNOSTIC CHECK BLANK TEST INTERNAL STANDARD EXTERNAL STANDARD EXTERNAL STANDARD BLANK TEST SUBJECT SAMPLE (Vol=1.55L)	ELTANN TEST EXTERNAL STANDARD BLANK TEST				
SUB				DER CARL OPER Bryant 202	H OF	EXTE NOMII TARGI LOT EXPII	DIAG BLAN INTEI EXTEI BLANF SUBJE	EXTEI BLANF				



LINEARITY CHECK: C	ontrol Test	1
Alaska Department of DATAMASTER dmt: 10038	Public Safety	
Date: 10/15/2021		
Time: 10:57:30		
EXTERNAL STANDARD INF	ORMATION	
NOMINAL: 0.020	OTUTITON	
TARGET AT 29.36: 0.02	0	
LOT #: AG100401		
EXPIRATION: 01/04/202	3	
TANK PRESSURE: 1068 p		
BLANK TEST	0.000	10:58
INTERNAL STANDARD	VERIFIED	
EXTERNAL STANDARD	0.020	
BLANK TEST	0.000	
EXTERNAL STANDARD	0.019	
BLANK TEST	0.000	11:01
EXTERNAL STANDARD	0.019	
BLANK TEST	0.000	
EXTERNAL STANDARD	0.020	11:02
BLANK TEST	0.000	
EXTERNAL STANDARD	0.019	11:03
BLANK TEST	0.000	11:04
Average = 0.0194		
Std Dev = 0.0005		

Std Dev = 0.0005

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LINEARITY CHECK:	Control Test	2
Alaska Department of	Public Safety	,
DATAMASTER dmt: 1003	380	
Date: 10/15/2021		
Time: 11:07:17		
EXTERNAL STANDARD IN	FORMATION	
NOMINAL: 0.040		
TARGET AT 29.36: 0.0	139	
LOT #: AG111710		
EXPIRATION: 04/27/20		
TANK PRESSURE: 739 p	si	
BLANK TEST	0.000	11:08
INTERNAL STANDARD	VERIFIED	11:08
EXTERNAL STANDARD	0.038	11:09
BLANK TEST	0.000	11:09
EXTERNAL STANDARD	0.037	
BLANK TEST	0.000	11:11
EXTERNAL STANDARD	0.038	11:11
BLANK TEST	0.000	11:12
EXTERNAL STANDARD	0.038	11:12
BLANK TEST	0.000	11:13
EXTERNAL STANDARD	0.038	11:13
BLANK TEST	0.000	

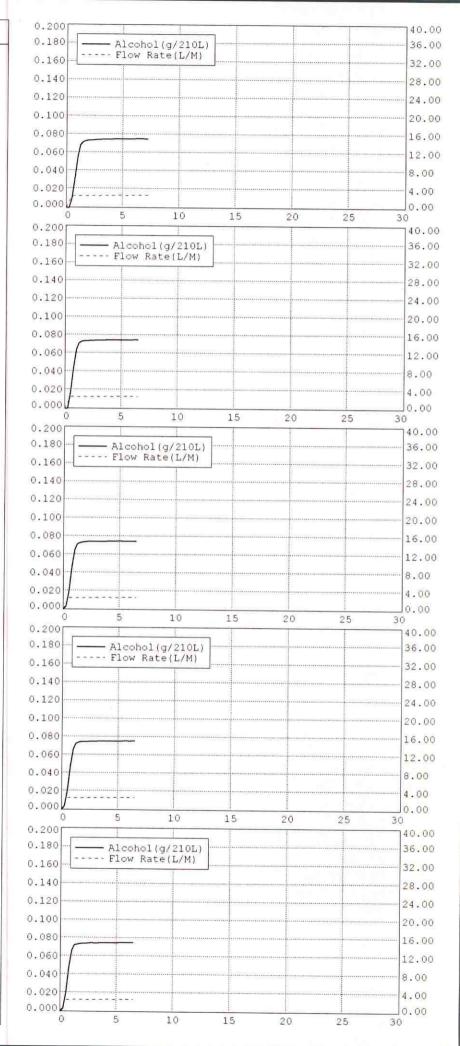
Average = 0.0378 Std Dev = 0.0004

Performed w	ith C. O'B	ryant 2021.10.15	

.100				31		4
. 090	- Alcoh	ol(g/210L	,]			
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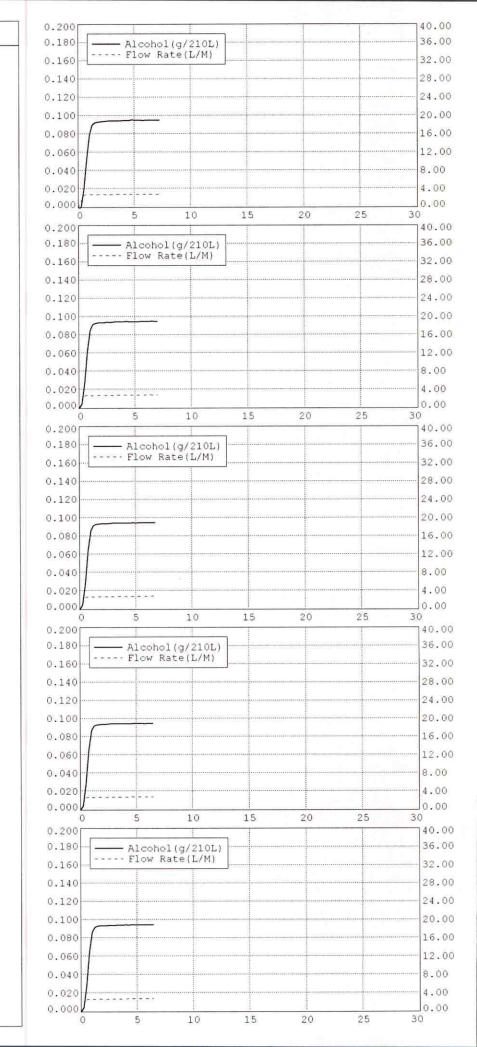
LINEARITY CHECK: C	ontrol Test	3
Alaska Department of	Public Safety	,
DATAMASTER dmt: 10038	0	
Date: 10/15/2021		
Time: 11:16:14		
EXTERNAL STANDARD INF	ORMATION	
NOMINAL: 0.080		
TARGET AT 29.36: 0.07	9	
LOT #: AG018102		
EXPIRATION: 06/29/202		
TANK PRESSURE: 465 ps	i	
BLANK TEST	0.000	11.19
INTERNAL STANDARD	VERIFIED	
EXTERNAL STANDARD	0.076	
BLANK TEST	0.000	
EXTERNAL STANDARD	0.075	11:19
BLANK TEST	0.000	
EXTERNAL STANDARD	0.076	11:20
BLANK TEST	0.000	
EXTERNAL STANDARD	0.076	11:21
BLANK TEST	0.000	
EXTERNAL STANDARD	0.075	11:22
BLANK TEST	0.000	11:23

Average = 0.0756Std Dev = 0.0005

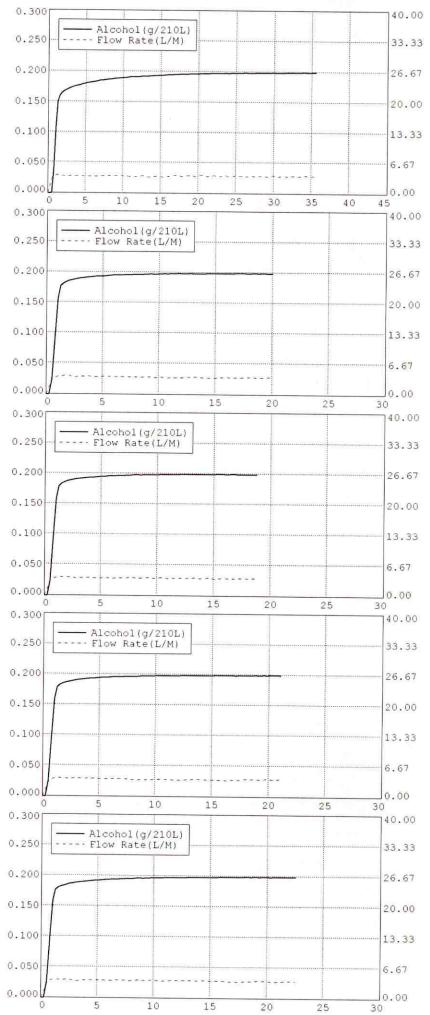


LINEARITY CHECK:	Control T	est 4	4
Alaska Department o	f Public Sa	afety	
DATAMASTER dmt: 100			
Date: 10/15/2021			
Time: 11:24:57			
EXTERNAL STANDARD I	NFORMATION		
NOMINAL: 0.100			
TARGET AT 29.36: 0.	098		
LOT #: AG108404			
EXPIRATION: 03/25/2			
TANK PRESSURE: 844	psi		
BLANK TEST	0	.000	11:26
INTERNAL STANDARD	VERI	FIED	11:26
EXTERNAL STANDARD			11:26
BLANK TEST	0	.000	11:27
EXTERNAL STANDARD	0	.095	11:28
BLANK TEST	0	.000	11:28
EXTERNAL STANDARD		.096	
BLANK TEST			11:30
EXTERNAL STANDARD		.096	
BLANK TEST		.000	
EXTERNAL STANDARD			11:31
BLANK TEST	0	.000	11:32
0.0055			
Average = 0.0956			

Std Dev = 0.0005

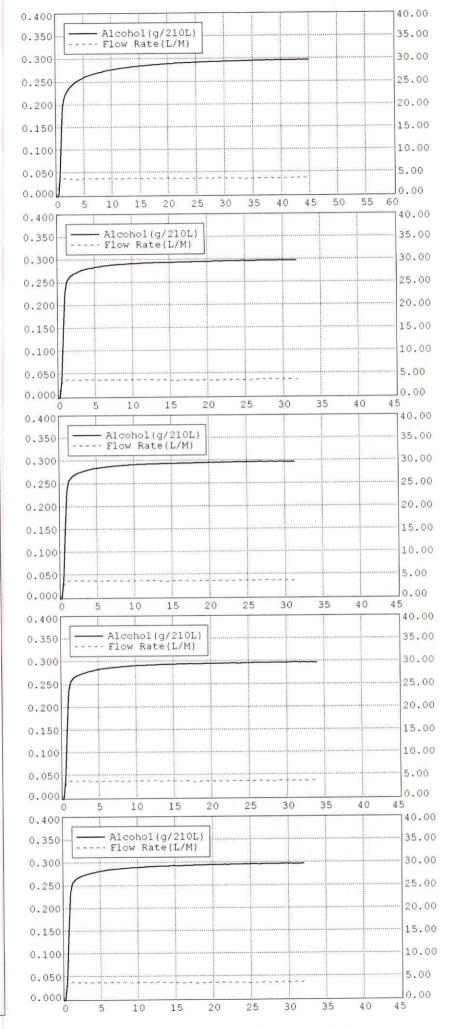


LINEARITY CHECK: Cor	ntrol Test	5
Alaska Department of P DATAMASTER dmt: 100380	 ublic Safety	7
ate: 10/15/2021 ime: 11:33:23		
XTERNAL STANDARD INFO	RMATION	
OT #: 20510 XPIRATION: 12/03/2022		
LANK TEST NTERNAL STANDARD XTERNAL STANDARD LANK TEST	0.000	11:35 11:36 11:36
XTERNAL STANDARD LANK TEST XTERNAL STANDARD LANK TEST	$0.199 \\ 0.000 \\ 0.200 \\ 0.00$	11:37 11:38 11:38 11:39
XTERNAL STANDARD LANK TEST XTERNAL STANDARD	0.000 0.200 0.000 0.200	11:40 11:40
LANK TEST	0.000	11:42
verage = 0.1998 td Dev = 0.0004		



Performed with C. O'Bryant 2021.10.15

Alaska Department of	Public Safety	
DATAMASTER dmt: 10038		
Date: 10/15/2021		
Fime: 11:44:43		
EXTERNAL STANDARD INF	ORMATION	
NOMINAL: 0.300		
LOT #: 21030		
EXPIRATION: 02/02/202	3	
BLANK TEST	0.000	
INTERNAL STANDARD	VERIFIED	
EXTERNAL STANDARD	0.298	
BLANK TEST	0.000	
EXTERNAL STANDARD	0.298	
BLANK TEST	0.000	
EXTERNAL STANDARD	0.297	
BLANK TEST	0.000	11:51
EXTERNAL STANDARD	0.297	11:54
BLANK TEST	0.297	
EXTERNAL STANDARD BLANK TEST	0.000	
BLANK IESI	0.000	11.5
Average = 0.2974		
Std Dev = 0.0005		



SUBJECT TEST	Alcohol	a/2101 V			 		40.00
Alaska Department of Public Safety DATAMASTER dmt: 100380	Flow Rat	Flow Rate(L/M) Min. Flow Rate(L/M)	-				
Date: 10/15/2021 Time: 12:03:12							36.00
SUBJECT NAME: TEST TEST LICENSE #: XXX							
OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: 10436			-				32.00
DEPT/AGENCY: INCOMPLETE CASE/REPORT: XXXX TEST TYPE: TEST							28.00
EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.37: 0.079 LOT #: AG018102 EXPIRATION: 06/29/2022							24.00
DIAGNOSTIC CHECK PASSED 12:05 BLANK TEST 0.000 12:05 INTERNAL STANDARD VERIFIED 12:05 EXTERNAL STANDARD 0.075 12:06 BLANK TEST 0.000 12:07 SUBJECT SAMPLE 12:09							20,00
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OKG							4.00
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SUBJECT TEST	1 10107 - 1 1-1-1 1		40.00
Alaska Department of Public Safety ADATAMASTER dmt: 100380	Flow Rate(L/M) . Min. Flow Rate(L/M) .		
Date: 10/15/2021 Time: 13:45:26			
WINDERT NAME: TEST TEST O LICENSE #: XXXX			33.33
OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: 10436			
1.1 DEPT/AGENCY: INVALID CASE/REPORT: XXXX TEST TYPE: TEST			26.67
EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.40: 0.079 LOT #: AG018102		5	
SED		5	
INTERNAL STANDARD VERIFIED 13:46 INTERNAL STANDARD VERIFIED 13:46 EXTERNAL STANDARD 0.076 13:47 BLANK TEST 0.000 13:47 SUBJECT SAMPLE INVALID 13:48			20.00
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	t of Pu 100380		XX OPROPAN X	D INFOF 0.079 9/2022	CK ARD (0.20%)	(-0.0336) (-0.0336)	ected			DL G	
TEST	a Department ASTER dmt: 1 10/15/2021	AME: XXXX	VAME: AISTER 5 #: XX 5 #: XX 5 #: XX 5 #: XXX 8T: XXX	: TEST STANDAR 0.080 29.41: 018102 V: 06/2	STIC CHECK TEST AL STANDARD = 0.087 (0	= 0.0754 = 0.0754 TEST = 0.1184	ice Det			Ć)
SUBJECT	Alaska Department of P DATAMASTER dmt: 100380 Date: 10/15/2021	TIME: 13:2/:54 SUBJECT NAME: TEST TEST LICENSE #: XXXX	OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: XXXX DEPT/AGENCY: INTERFERENCE ISOPROPANOL CASE/REPORT: XXXX	TEST TYPE: TEST EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.41: 0.079 LOT #: AG018102 EXPIRATION: 06/29/2022	DIAGNOSTIC CHECK BLANK TEST INTERNAL STANDAR Xq = 0.087 (Xq = 0.087 (X[1] = 0.0754 (X[1] = 0.0754 (BLANK TEST SUBJECT SAMPLE X[1] = 0.1184 (Interference Detected				
SU	Ala DAT Dat		CAN DE CAR	TES EXT NOM TAR LOT EXP	DIA BLA INT X X	BLA SUB X SUB	Int				

SUBJECT TEST SUBJECT TEST Alcohol(g/210L) Flow Rate(L/M) Alaska Department of Public Safety DATAMASTER dmt: 100380	10/15/2021 13:34:06 CT NAME: TEST SE #: XXXX	OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: XXXX DEPT/AGENCY: INTERFERENCE NEGATIVE CONTROL CASE/REPORT: XXXX	TEST TYPE: TEST EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.40: 0.079 LOT #: AG018102 EXPIRATION: 06/29/2022	DIAGNOSTIC CHECK PASSED 13:35 BLANK TEST 0.000 13:35 BLANK TEST 0.000 13:35 INTERNAL STANDARD VERIFIED 13:35 Xq 0.0087 (0.20%) EXTERNAL STANDARD 0.075 13:35 Xq = 0.087 (0.20%) EXTERNAL STANDARD 0.075 13:35 X[1] = 0.0755 (-0.0012) (0.0033) BLANK TEST 0.000 13:36	SUBJECT SAMFLE (VOL=1.93L) 0.092 13:37 X[1] = 0.0927 (-0.0012) (0.0021) 13:38 BLANK TEST 0.0912 (0.0021) EXTERNAL STANDARD 0.075 13:38 X[1] = 0.0752 (-0.0015) (0.0029) 13:39 BLANK TEST 0.000 13:39)
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	ent of : 1003	21	×	XXXX		NDARD INFO 100.0.079 102 06/29/2022	RD RD	s Exce				K	
TEST	Department TER dmt: 1	10/15/2021 13:15:51	AME: XXX	NAME: AISTEI S #: 2	CY: ATTEMI RT: X) : TES7	STAND/ 0.080 29.40 018102 N: 06/	C CHECK T STANDAR STANDAR T MPLE	ctempt				\bigcirc	
SUBJECT	Alaska Department of P DATAMASTER dmt: 100380	e: 10/ e: 13:	SUBJECT NAME: TEST TEST LICENSE #: XXXX	OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: XXXX	DEPT/AGENCY: MAXIMUM ATTEMPTS CASE/REPORT: XXXX TEST TYPE: TEST	EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.40: 0.079 LOT #: AG018102 EXPIRATION: 06/29/2022	DIAGNOSTIC CHECK BLANK TEST INTERNAL STANDARD EXTERNAL STANDARD BLANK TEST SUBJECT SAMPLE	Maximum Attempts Exceeded					
Ins	AlaDAT	Date: Time:		E GAR O DE Bryant 202		EXTI NOM: TARC LOT EXPI	DIA(BLA) INTF EXTF BLAN SUBJ	Maxi					

SUBJECT TEST			40.00
Alaska Department of Public Safety DATAMASTER dmt: 100380	Flow Rate(L/M) —— Min. Flow Rate(L/M)		
Date: 10/15/2021 Time: 14:05:13			36.00
HARDER NAME: TEST TEST LICENSE #: XXXX			32.00
OPERATOR NAME: CARLIE GLAISTER OPERATOR'S #: 10436			
01 DEPT/AGENCY: 51 RFI CASE/REPORT: XXXX TEST TYPE: TEST			28.00
EXTERNAL STANDARD INFORMATION NOMINAL: 0.080 TARGET AT 29.40: 0.079 LOT #: AG018102 EXPIRATION: 06/29/2022			24.00
DIAGNOSTIC CHECK PASSED 14:06 BLANK TEST 0.000 14:06 INTERNAL STANDARD VERIFIED 14:06 EXTERNAL STANDARD 0.076 14:06 BLANK TEST 0.000 14:07			20.00
βD			16.00
			12.00
			8,00
J C C			4.00
	0 5 10 15	20	30.00

	 	 				Alcohol(g/210L) Flow Rate(L/M) Min. Flow Rate(L/M)
	 					0L) M te(L/M)

00 90	30.00	28.00	24.00	20.00	16.00	12.00	8.00	4.00	30.00
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ohol(g/2 w Rate(L L. Flow R									vî