

ALCOTEST 9510 CERTIFICATION REPORT - LINEARITY (PART III)
Deal Borough

Equipment

Inst. Model No.: ALCOTEST 9510 Serial No.: ARMH-0005
 Firmware: 8326739 1.5 Config.: 8326737 3.10 WinCE: 8326738 2.9

Linearity Record

Linearity File No.: 152 Lin. Date: 10/24/2024 Lin. No.: 7

0.040% Dry Gas Lot No.: 302-402488140 Adjust. Gas Exp.: 07/15/2025
 0.080% Dry Gas Lot No.: 302-402477282 Adjust. Gas Exp.: 08/24/2025
 0.160% Dry Gas Lot No.: 302-402486005 Adjust. Gas Exp.: 07/13/2025
 0.300% Dry Gas Lot No.: 302-402488144 Adjust. Gas Exp.: 07/15/2025

Data Summary

Function	Result %BAC	Time hh:mm:ss	Barometric Pres. [hPa]	Comment(s) or Status Code
Ambient Air Blank	0.000	11:41:44		*TEST PASSED*
Control .04 Test 1 EC	0.039	11:42:22	1013	*TEST PASSED*
Control .04 Test 1 IR	0.039	11:42:22	1013	*TEST PASSED*
Ambient Air Blank	0.000	11:43:25		*TEST PASSED*
Control .04 Test 2 EC	0.040	11:43:39	1013	*TEST PASSED*
Control .04 Test 2 IR	0.040	11:43:39	1013	*TEST PASSED*
Ambient Air Blank	0.000	11:45:07		*TEST PASSED*
Control .08 Test 3 EC	0.078	11:45:43	1013	*TEST PASSED*
Control .08 Test 3 IR	0.079	11:45:43	1013	*TEST PASSED*
Ambient Air Blank	0.000	11:46:50		*TEST PASSED*
Control .08 Test 4 EC	0.080	11:47:04	1013	*TEST PASSED*
Control .08 Test 4 IR	0.080	11:47:04	1013	*TEST PASSED*
Ambient Air Blank	0.000	11:48:32		*TEST PASSED*
Control .16 Test 5 EC	0.154	11:49:06	1013	*TEST PASSED*
Control .16 Test 5 IR	0.156	11:49:06	1013	*TEST PASSED*
Ambient Air Blank	0.000	11:50:19		*TEST PASSED*
Control .16 Test 6 EC	0.157	11:50:32	1013	*TEST PASSED*
Control .16 Test 6 IR	0.158	11:50:32	1013	*TEST PASSED*
Ambient Air Blank	0.000	11:58:47		*TEST PASSED*
Control .30 Test 7 EC	0.288	11:59:23	1013	*TEST PASSED*
Control .30 Test 7 IR	0.293	11:59:23	1013	*TEST PASSED*
Ambient Air Blank	0.000	12:00:45		*TEST PASSED*
Control .30 Test 8 EC	0.293	12:00:58	1013	*TEST PASSED*
Control .30 Test 8 IR	0.295	12:00:58	1013	*TEST PASSED*
Ambient Air Blank	0.000	12:01:30		*TEST PASSED*

Result

All tests within acceptable tolerance.

Coordinator

Last Name: Waldrop - First Name: Robert MI: W Badge No.: 8256

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.

TRC Waldrop #8256

Signed:

Date: 10/24/2024

ID: 52

ALCOTEST 9510 CERTIFICATION REPORT - DRY ADJUST (PART II)
Deal Borough

Equipment

Inst. Model No.: ALCOTEST 9510 Serial No.: ARMH-0005
Firmware: 8326739 1.5 Config.: 8326737 3.10 WinCE: 8326738 2.9

Dry Adjust Record

Dry Adjust File No.: 151 Dry Adjust Date: 10/24/2024 Dry Adjust No.: 7
Dry Adjust Time: 11:20:13

Concentration: 0.100 %
Dry Gas Lot No.: 302-402448282 Adjust Gas Exp.: 05/20/2025
Barom. Model No.: Mensor CPG2300 Barom. Serial No.: 410013F5 Barom. Cert. Exp.: 01/10/2025
Pre-adjust Amb. Pressure: 1012 hPa Post-adjust Amb. Pressure: 1013 hPa

Result

Procedure completed successfully.

Coordinator

Last Name: Waldrop - First Name: Robert MI: W Badge No.: 8256

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.



Signed:

Date: 10/24/2024

ID: 52

ALCOTEST 9510 CERTIFICATION REPORT - WET ADJUST (PART I)
Deal Borough

Equipment

Inst. Model No.: ALCOTEST 9510 Serial No.: ARMH-0005
Firmware: 8326739 1.5 Config.: 8326737 3.10 WinCE: 8326738 2.9

Wet Adjust Record

Wet Adjust File No.: 150 Wet Adjust Date: 10/24/2024 Wet Adjust No.: 7
Wet Adjust Time: 10:44:01

Concentration: 0.100 %
Adjusting Unit: X-Cal 2000 Adj. Unit Ser. No.: ARMA-0055 Adj. Unit Exp.: 02/16/2025
Solution Lot No.: 23240 Soln. Bottle No.: 433 Adjust Soln. Exp.: 06/28/2025

Preadjust Simulator Temp.: 34.00 degree C
Postadjust Simulator Temp.: 34.00 degree C

Result

Procedure completed successfully.

Coordinator

Last Name: Waldrop - First Name: Robert MI: W Badge No.: 8256

On this date, I certified the above instrument in accordance with the Alcotest 9510 operator training and procedures established by the NJSP Office of Forensic Sciences.

TR. Robert Waldrop #8256

Signed:

Date: 10/24/2024

ID: 52

ALCOTEST 9510 PARAMETER REPORT

Equipment

Serial No.: ARMH-0005
Firmware: 8326739 1.5
WinCE application: 8326738 2.9
Configuration: 8326737 3.10

Date: 10/24/2024
Time: 09:59:28

Parameter

min. blow time	5.0	s
min. breath volume for females of age 60+	1.2	L
min. breath volume for all other	1.5	L
min. blow flow	4.5	L/min
plateau detection limit	4	%
plateau detection start conc.	70	microgram/L
neg. flow detection (part. vacuum)	10.0	hPa
neg. flow detection sensitivity	10	
cal. gas abort volume	0.4	L
result-to-zero limit	0.0050	%BAC
ambient air check limit	0.0049	%BAC
interference det. d-criterion limit abs.	38	microgram/L
interference det. d-criterion limit rel.	10.0	%
interference det. t-criterion limit abs.	8	microgram/L
interference det. t-criterion limit rel.	2.1	%
IR CO2 offset	10	microgram/L
IR H2O offset	4	microgram/L
EC H2O offset	0	microgram/L
Value-based EC aging comp. on/off (1/0)	0	
Time-based EC aging comp. on/off (1/0)	1	
Time-based EC aging comp. per month	0.2	%
Time-based EC aging comp. maximum	3.0	%
EC fatigue comp. max. sum	15000	
EC fatigue comp. factor	50	
EC fatigue comp. minutes	180	
mouth alc. mark limit	500	
mouth alc. lower limit	30	
mouth alc. slope	6	
mouth alc. zero limit	50	
mouth alc. max. neg. sum	6	
mouth alc. max. 2nd derivative	35	