

WASHINGTON STATE PATROL DRAEGER ALCOTEST 9510 CALIBRATION CERTIFICATE

WSP LABORATORY: _____	CUSTOMER NAME: _____	CALIBRATION
DATE OF CALIBRATION: _____	CUSTOMER ADDRESS: _____	QAP Batch #: _____
CALIBRATED ITEM: DRAEGER ALCOTEST 9510		Simulator #: _____
SERIAL NUMBER: _____		Sim Therm #: _____
INTERNAL STD AUTO-ADJUST: _____	<input type="checkbox"/> Check if calibration occurred at customer address:	_____
AS FOUND CONDITION: _____	<input type="checkbox"/> Environmental Conditions at Facility:	_____
AS FOUND LOT#: _____	CALIBRATION PROCEDURE USED: WSP-BTP Technical Manual Chapter 4 Quality Assurance Procedure	
	AS FOUND RESULTS I/R: _____	AS FOUND RESULTS E/C: _____

	CERTIFICATION OF RESULTS							
	0.04 I/R	0.04 E/C	0.08 I/R	0.08 E/C	0.15 I/R	0.15 E/C	0.20 I/R	0.20 E/C
Simulator #:	0	0	0	0	0	0	0	0
Sim Therm#:	0	0	0	0	0	0	0	0
QAP Batch#:	0	0	0	0	0	0	0	0
Reference Value:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mean:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SD:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Bias %:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
CV %:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Difference Ref Value-Mean Value (g/210L):	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
CV ² _{BTI} :	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Combined STD Uncertainty of QAP SOL:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Combined Standard Uncertainty (±):	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
k=2, 95.45% Confidence Level Expanded Uncertainty (±):	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

TECHNICIAN PERFORMING CALIBRATION	SIGNATURE	DATE OF CALIBRATION
_____	Breath Test Technician	_____
TECHNICIAN REVIEWING & ISSUING CERTIFICATE	SIGNATURE	DATE ISSUED
_____	_____	_____

TRACEABILITY INFORMATION
 This calibration is traceable to NIST through an unbroken chain of comparisons. The Draeger Alcotest 9510 is calibrated using a QAP solution prepared by the Washington State Toxicology Laboratory. The QAP solution measurements are traceable to the results of the ethanol control CRM whose properties are traceable through its Certificate of Analysis to the NIST ethanol standard.

Temperatures are measured at 34.0 ± 0.2° C using Guth model 34C or 2100 simulators equipped with mercury in glass thermometers or digital thermometers, respectively. Both types are certified against an approved digital reference thermometer which is calibrated by an approved vendor which provides a certificate showing that the measurements are traceable to NIST.

The internal barometer is verified using an approved reference barometer. Reference barometers are certified by an approved vendor which provides a certificate showing that the measurements are traceable to NIST.

This certificate applies only to the item being calibrated and shall not be reproduced except in full, without the written approval of the Washington State Patrol Breath Test Program.