

CHRISTINE O. GREGOIRE  
Governor



JOHN R. BATISTE  
Chief

STATE OF WASHINGTON  
WASHINGTON STATE PATROL  
WASHINGTON STATE TOXICOLOGY LABORATORY

2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

DATAMASTER 0.08 SIMULATOR SOLUTION  
CERTIFICATION

I, Estuardo J. Miranda, do certify under penalty of perjury that:

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: Bachelor of Science in Chemistry, Master of Science in Zoology, eight years experience in biochemical research and eight years experience in Forensic Toxicology.

The simulator solution, Lot Number 07001, was prepared in the Washington State Toxicology Laboratory on 1/3/2007. I examined and tested this solution. It was found to conform to those standards established by the state toxicologist for the certification of simulator solution. It should not be used for evidential breath tests after 1/3/2008.

Dated: 1/3/2007  
Seattle, WA

Estuardo J. Miranda  
Forensic Toxicologist

EM/jr  
EMSIMSOL

A review of solution batch records was recently completed. After this review, I checked the file for this solution and reviewed all changes that were made. I found that the solution still conformed to those standards established by the State Toxicologist for the certification of simulator solutions.

Gilbert Swanson  
CL69127  
PLTF./PETRO  
DEPT./RESP  
ADMITTED  
077574

23



**WASHINGTON STATE TOXICOLOGY LABORATORY**  
**FORENSIC LABORATORY SERVICES BUREAU**  
 WASHINGTON STATE PATROL  
 2203 AIRPORT WAY S, SUITE 360  
 SEATTLE, WASHINGTON 98134-2027  
 (206) 262-6100 FAX (206) 262-6145

Preparation and certification of **0.08** g/210L Simulator External Standard solution  
 Batch number **07001** Date: 1/3/2007  
 Preparation: 66.5 mL of absolute ethyl alcohol diluted to 52 Liters with water  
 Concentration of ethanol (g/100mL) measured by gas chromatography:

	Anal 1	Anal 2	Anal 3	Anal 4	Anal 5	Anal 6	Anal 7	Anal 8	Anal 9	Anal 10	Anal 11	Anal 12	Anal 13	Anal 14	Anal 15	Anal 16
1	0.103	0.102	0.102	0.101	0.099	0.101	0.102	0.100	0.100	0.100	0.101	0.100	0.099	0.102		
2	0.103	0.104	0.102	0.101	0.099	0.100	0.102	0.101	0.099	0.100	0.102	0.100	0.100	0.103		
3	0.103	0.103	0.102	0.101	0.099	0.101	0.101	0.100	0.099	0.100	0.102	0.100	0.100	0.102		
4	0.102	0.102	0.102	0.103	0.099	0.100	0.102	0.100	0.100	0.101	0.102	0.100	0.100	0.102		
5	0.102	0.106	0.102	0.102	0.098	0.100	0.101	0.100	0.099	0.101	0.102	0.100	0.102	0.103		
Ctrl	0.101	0.100	0.101	0.099	0.097	0.099	0.100	0.098	0.100	0.100	0.102	0.099	0.099	0.101		

**External Control:**

Lot #: A041837 Exp date: 04/10  
 Target concentration: 0.10 g/100mL

**Statistics:**

Avg. solution concent.: 0.1011 g/100 mL  
 SD: 0.00144  
 Range (3xSD): 0.0967 to 0.1054  
 Precision CV (%): 1.4300 %

Equivalent vapor concent.: 0.0821 g/210L

Analyst	Name	Signature	Date
1	Naziha Nuwayhid, PhD	<i>[Signature]</i>	01/03/2007
2	Justin L Knoy	<i>[Signature]</i>	01/04/2007
3	Sarah M Swenson	<i>[Signature]</i>	01/04/2007
4	Brian Capron	<i>[Signature]</i>	01/04/2007
5	Christopher S Johnston	<i>[Signature]</i>	01/03/2007
6	Edward Formoso	<i>[Signature]</i>	01/09/2007
7	Ann Marie Gordon	<i>[Signature]</i>	01/09/2007
8	Asa Louis	<i>[Signature]</i>	01/08/2007
9	Paige Long	<i>[Signature]</i>	01/10/2007
10	Estuardo J. Miranda	<i>[Signature]</i>	01/23/2007
11	Lisa Piquette	<i>[Signature]</i>	01/11/2007
12	Melissa Pemberton	<i>[Signature]</i>	01/16/2007
13	Brianne Akins	<i>[Signature]</i>	01/17/2007
14	Kelly Gross	<i>[Signature]</i>	01/12/2007
15			
16			

Prepared by: Naziha Nuwayhid, PhD according to the approved protocol