

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 **0.10** g/210L Quality Assurance solution
 Batch number **07004** Date: 1/10/2007

Preparation: 28.9 mL of absolute ethyl alcohol diluted to 18 Liters with water

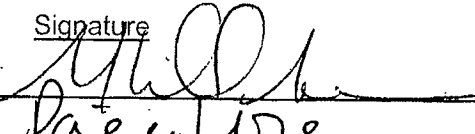
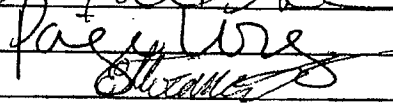

Concentration of ethanol (g/100mL) measured by gas chromatography:

	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	0.130	0.127	0.129													
2	0.130	0.127	0.130													
3	0.130	0.128	0.130													
4	0.131	0.127	0.130													
5	0.128	0.127	0.130													
Ctrl	0.101	0.099	0.101													

External Control:
 Lot #: A041837 Exp date: 4/2010
 Target concentration: 0.10 g/100mL

Statistics:
 Avg. solution concent.: 0.1289 g/100 mL
 SD: 0.00144
 Range (3xSD): 0.1246 to 0.1332
 Precision CV (%): 1.1153 %

Equivalent vapor concent.: 0.1048 g/210L

Analyst	Name	Signature	Date
1	Sarah M. Swenson		01/11/2007
2	Paige Long		01/10/2007
3	Estuardo J. Miranda		01/10/2007
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5			
6			
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8			
9			
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11			
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14			
15			
16			

CASE NO: 0667107 / 0677574
 PLTF. / PETR. EXH. NO. _____
 DEFT. / RESP. EXH. NO. _____
 ADMITTED REJECTED _____
 CASE NO: _____
Gilbert Swenson

Prepared by: Sarah M. Swenson according to the approved protocol

CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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DATAMASTER QUALITY ASSURANCE SOLUTION
CERTIFICATION

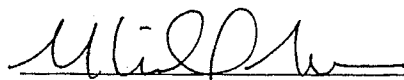
I, Sarah M Swenson, do certify under penalty of perjury that:

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: BS degree in Chemistry and over three years of experience in forensic toxicology.

The quality assurance solution, Lot Number 07004, was prepared in the Washington State Toxicology Laboratory on 1/10/2007. I examined and tested this solution. The mean concentration of the alcohol was 0.1289 grams per 100ml.

Dated: 5/4/2007
Seattle, WA



Sarah M Swenson
Forensic Toxicologist

SMS/jr
SMSQA



CHRISTINE O. GREGOIRE
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DATAMASTER QUALITY ASSURANCE 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 and nine years experience in Forensic Toxicology.

The quality assurance solution, Lot Number 07004, was prepared in the Washington State Toxicology Laboratory on 1/10/2007. I examined and tested this solution. The mean concentration of the alcohol was 0.1289 grams per 100ml.

Dated: 5/4/2007
Seattle, WA

A handwritten signature in cursive script, appearing to read "Estuardo J. Miranda".

Estuardo J. Miranda
Forensic Toxicologist

EM/jr
EMQA