



July 5, 2012

## **SAMI-pH Accuracy Certificate**

**SAMI Serial Number: P0059**

**OOI/RSN Identification Number:**

**RSN P/N: 4830-58337**

**RSN AT: ATAPL58337-00001**

**Date: 7/2/2012**

### **pH Evalues:**

$E_{a_{434}} = 17533$

$E_{a_{578}} = 101$

$E_{b_{434}} = 2229$

$E_{b_{578}} = 38502$

### **Accuracy Test Temperature**

$T = 25\text{ C}$

$T_{offset} = 0.06\text{ C}$

**Certified Tris Batch #:** Tris 061212

**Tris Bottle/Bag #:** Bag 1

**Tris Correction:** -0.0038

**mCP lot:** 07005HH



<b>Tris accuracy test</b>		<b>SAMI2-P0059</b>			<b>Tris Correction</b>		061212_bag1	
<b>Matlab file: SAMI2PH_clientc.m</b>		6/29/12			<b>Correction cutoff pts</b>		0	
<b>Evalues</b>							Program selected	
Ea434		17533			e1	0.0058		
Ea578		101			e2	0.1271		
Eb434		2229			e3	2.1960		
Eb578		38502						
<b>Temperature (C)</b>		<b>SAMI Tris pH</b>		<b>Calculated Tris pH</b>	<b>Difference</b>	<b>Temp offset=</b>		
						<b>Cary average offset</b>		
	24.9268	8.0863	8.0909	-0.0046		0.06		
	24.9268	8.0867	8.0909	-0.0042		-0.0049		
	24.9007	8.0875	8.0918	-0.0043				
	24.9268	8.0899	8.0909	-0.0010				
	24.9268	8.0885	8.0909	-0.0024				
	24.9007	8.09	8.0918	-0.0018				
	24.9268	8.0876	8.0909	-0.0033				
	24.9007	8.0879	8.0918	-0.0039				
	24.9007	8.0881	8.0918	-0.0037				
	24.9268	8.0891	8.0909	-0.0018				
	24.9007	8.0886	8.0918	-0.0032				
	24.9268	8.089	8.0909	-0.0019				
	<b>24.92</b>	<b>8.0883</b>	<b>8.0913</b>	<b>-0.0030</b>	<b>Average</b>			
	<b>0.01</b>	<b>0.0012</b>	<b>0.0005</b>	<b>0.0012</b>	<b>StDev</b>			

