

## Instructions for: **WS Carbamates (Cat # PT-CARB-WS)**

### **STANDARD DESCRIPTION**

- The WS Carbamates standard is provided in a flame sealed ampule that contains approximately 2.1 mL of concentrate.
- The WS Carbamates standard is packaged in methanol.
- Store the standard in the unopened ampule refrigerated (at ~4°C).

### **ADDITIONAL INFORMATION**

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- The standard has been designed and manufactured within NELAC/EPA criteria. As such, each lot of the WS Carbamates standard will contain all of the NELAC Accreditation and Experimental Analytes listed on the Data Reporting Sheets and in these instructions.
- The standard should be prepared and analyzed as soon as possible after dilution.

### **STANDARD PREPARATION, ANALYSIS and STORAGE**

1. For best results, the PT standard should be stored refrigerated and then brought to room temperature (near 20°C) when used.
2. Add approximately 990 mL of organic free deionized water to a 1000 mL Class A volumetric flask.
3. Carefully open the ampule by snapping off the top at the narrow part of the neck.
4. Transfer exactly 1.0 mL of the PT standard concentrate to the flask using a gas-tight syringe and delivering the aliquot below the surface of the water.
5. Bring the volumetric flask to volume with organic free deionized water.
6. Mix the solution by inverting the volumetric flask a minimum of three times.
7. The standard is now ready for preparation and analysis per your routine method(s).
8. The sample should be analyzed as soon as possible after dilution,
9. Report all results in µg/L per the reporting instructions contained in this booklet.
10. Store the diluted standard and any remaining concentrate refrigerated (at ~4°C).

6390 Joyce Drive  
# 100  
Golden, CO 80403

Phone 303-940-0033  
Fax 866-283-0269  
www.wibby.com

## Water Supply Proficiency Testing Concentration Ranges and PTRLs

### Definitions:

#### **PTRL**

NELAC Proficiency Testing Reporting Limits (PTRLs) are provided as guidance to laboratories analyzing NELAC PT samples. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRLs shown. (REF: NELAC PT FOT Tables)

#### **NA**

Not Applicable (NA) has been applied to analytes where a PTRL is not applicable and to state specific analytes that have not had a PTRL determined by the applicable accrediting agency.

### Carbamates (PT-CARB-WS)

NELAC Code	Analyte	Units	Concentration Range	PTRL
7010	Aldicarb	µg/L	15.0 - 100	11.0
7015	Aldicarb Sulfone	µg/L	15.0 - 100	11.0
7020	Aldicarb Sulfoxide	µg/L	15.0 - 80.0	11.0
7195	Carbaryl	µg/L	15.0 - 100	11.0
7205	Carbofuran	µg/L	15.0 - 150	8.30
7710	3-Hydroxycarbofuran	µg/L	15.0 - 80.0	12.0
7805	Methomyl	µg/L	15.0 - 100	12.0
7940	Oxamyl (Vydate)	µg/L	15.0 - 100	11.0
Additional State Specific Analytes				
8080	Baygon	µg/L	30.0 - 140	23.0
7800	Methiocarb	µg/L	30.0 - 140	22.0