

## Instructions for: **WS MBAS (Surfactants) (Cat # PT-MBAS-WS)**

### **STANDARD DESCRIPTION**

- The WS MBAS (Surfactants) standard is provided in a vial that contains approximately 21 mL of concentrate.
- The WS MBAS (Surfactants) standard is unpreserved.
- Store the standard in the unopened vial at room temperature (~ 20 - 25°C).

### **ADDITIONAL INFORMATION**

- The standard has been provided as a concentrate that must be diluted prior to analysis.
- After dilution the standard should be analyzed as soon as possible per your routine procedures for MBAS (Surfactants).

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

1. For best results, the PT standard should be stored at room temperature (~ 20 - 25°C).
2. Add approximately 900 mL of ASTM Type 1 water to a 1000 mL Class A volumetric flask.
3. Transfer exactly 10.0 mL of the PT standard concentrate to the flask using a Class A volumetric pipette.
4. Bring the flask to volume with ASTM Type 1 water.
5. Mix the solution by gently inverting the volumetric flask a minimum of three times. Avoid the formation of foam during the mixing step. If the standard foams in this step, allow it to subside prior to proceeding to the next step.
6. The standard is now ready for preparation and analysis per the selected method(s).
7. The sample should be analyzed as soon as possible after dilution.
8. Report all results in mg/L per the reporting instructions contained in this booklet.
9. Store the diluted standard and any remaining concentrate at room temperature (~ 20 - 25°C).

### **CONCENTRATION RANGE and PTRL**

- After preparation per these instructions, the standard will contain MBAS (Surfactants) at a certified Concentration within the range shown.
- The NELAC Proficiency Testing Reporting Limit (PTRL) is provided as guidance when analyzing NELAC PT standards. At a minimum, the laboratory should use a method that is sensitive enough to generate quantitative results at the PTRL shown.

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## 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.

### Surfactants (MBAS) (PT-MBAS-WS)

NELAC Code	Analyte	Units	Concentration Range	PTRL
2025	Surfactants - MBAS	mg/L	0.100 - 1.00	0.0200