



PTSA

M500

10 - 1000 ppb

Fluorescence

## Instrument specific information

The test can be performed on the following devices. In addition, the required cuvette and the absorption range of the photometer are indicated.

Instrument Type	Cuvette	$\lambda$	Measuring Range
MD 600, MD 640	ø 24 mm	395 nm	10 - 1000 ppb

## Material

Required material (partly optional):

Reagents	Packaging Unit	Part Number
PTSA calibration set (0, 200, 1000 ppb)	1 pc.	461245
PTSA standard addition solution, 1000 ppb	1 pc.	461210

## Application List

- Cooling Water

## Preparation

1. Calibrate the instrument if verification result is not  $200 \pm 20$  ppb.
2. The below mentioned calibration set should be used to calibrate the instrument.
3. Before use, clean the vials and the accessories.
4. The outside of the vial must be clean and dry before starting the analysis. Clean the outside of the vial with a towel. Fingerprints or other marks will be removed.
5. The photometer is already factory calibrated, or the instrument was calibrated by the user. It is recommended to verify calibration accuracy by a 200 ppb Standard measurement:
  - when in doubt about last calibration or accuracy of results
  - once a month

The verification measurement shall be done like a sample measurement and the result of 200 ppb standard shall be at  $200 \pm 20$  ppb.

## Notes

1. Use only vials with black lids for PTSA measurements.
2. Large temperature differences between the instrument and the environment can lead to errors. For best results, perform tests with sample temperatures between 20 °C (68 °F) and 25 °C (77 °F).
3. Vials and caps should be cleaned thoroughly **after each analysis** to prevent interferences.
4. To ensure maximum accuracy of test results, always use the reagent system supplied by the instrument manufacturer.
5. Do not pour used standards back into the bottle.
6. Spiking procedure possible (see Instruction Manual Photometer).

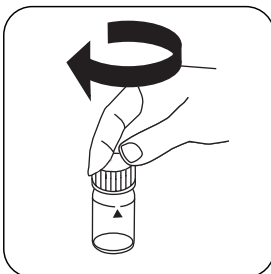


## Determination of PTSA

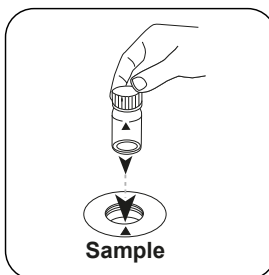
Select the method on the device.



Fill PTSA mm vial with  
**10 mL sample.**



Close vial(s).



Place **sample vial** in the  
sample chamber. Pay atten-  
tion to the positioning.

# Test

Press the **TEST** (XD:  
**START**) button.

The result in ppb PTSA appears on the display.



## **Chemical Method**

Fluorescence