

# TEST CERTIFICATE



environmental  
express®

## Secondary Reference Standard

99561-98		XXXXX	for	CL 200 Colorimeter
P/N		Ident.-No.		Instrument Type
Standard	Method	Test Value / Tolerance / Unit		Expiration Date
ZERO	—	Blank		XX/XXXX
A	CL2	X.XX ± 0.02 mg/l		
B	CL2	X.XX ± 0.08 mg/l		

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Each Reference Standard vial is individually calibrated on N.I.S.T. traceable (SRM 2032, 935a) instruments

### Instructions

- Carefully wipe each reference standard vial with a soft, lint-free cloth.
- Turn on the instrument and confirm the measurement range of "CL2" is selected.
- Place the reference standard labeled "ZERO" in the colorimeter, ensuring that the arrows on the sample vial and on the instrument are aligned.
- Cover the vial with the rubber light shield.
- Press the "Zero/Test" button to zero the instrument. When zero is accepted, the instrument will read "0.0.0".
- Remove the "ZERO" vial from the instrument and replace with Reference Standard "A" (0.20 mg/l).
- Press the "Zero/Test" button. The instrument will read a value that should be within the tolerance of the standard and the instrument. (For example, if the stated value is 0.28 +/-0.02 mg/l and the instruments tolerance is +/- 0.05 mg/l, the reading should indicate from 0.21 to 0.35 mg/l.)
- Repeat with Reference Standard "B", again noting the tolerance range (1.0 mg/l).
- If tolerances for both reference standards "A" and "B" are within the specified range, instrument performance and accuracy has been verified and testing can proceed.
- IF VALUES ARE NOT WITHIN THE SPECIFIED RANGE(S), then complete the following:
  - Confirm that the room temperature is 68°F ± 5°F (20°C ± 3°C) when using the reference standards.
  - Confirm that the sample cells are clean and do not have fingerprints or scratches. If scratched, replace the cells.
  - Confirm that sample cell orientation is correct (match sample cell arrow with arrow on the instrument)
  - Avoid working in direct sunlight or other extremely bright lighting conditions.
  - Carefully clean the instrument sample cell chamber with a cotton swab.
  - Replace the battery in the instrument
  - If none of these actions resolve the issue, return the instrument for service.
- Place standards in the case after use. Store in the dark at room temperature.
- Do not use the standards after the stated expiration date.