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**HACH 2893300**

# Hach SpecCheck Secondary Gel Standards Set User Manual

Model: 2893300 | Brand: HACH

## 1. INTRODUCTION

The Hach 2893300 SpecCheck Secondary Gel Standards Set, DPD Chlorine - HR, is designed for the instrument performance verification of Hach colorimeters and spectrophotometers. These stable and convenient gel standards provide a reliable method to check the accuracy and calibration of your analytical instruments for DPD Chlorine measurements.



An image showing the Hach SpecCheck Secondary Gel Standards Set. The set includes a white and blue cardboard box labeled 'SPEC/COLOR STANDARD DPD-CHLORINE-HR SECONDARY STANDARDS KIT' and four small glass vials. Three vials contain a pink gel, labeled 'STD 1', 'STD 2', and 'STD 3'. The fourth vial contains a clear or white gel, likely a blank or zero standard. The box also displays the Hach Company logo and contact information.

## 2. SETUP

- 1. Unboxing:** Carefully remove the standards set from its packaging.
- 2. Inspection:** Inspect all vials for any signs of damage or leakage. Do not use if damage is observed.
- 3. Initial Storage:** Store the kit in an upright position at a temperature between 10°C and 25°C (50°F and 77°F) to maintain stability and accuracy. Avoid exposure to direct sunlight or extreme temperatures.

## 3. OPERATING INSTRUCTIONS

These standards are intended for instrument verification purposes only and should not be used for direct sample analysis.

- 1. Prepare Instrument:** Ensure your Hach colorimeter or spectrophotometer is clean and properly warmed up according to its own operating manual.
- 2. Prepare Standards:** Gently invert each standard vial several times to ensure homogeneity before use. Do

not shake vigorously, as this may introduce air bubbles.

3. **Zero Instrument:** Insert the blank or zero standard (typically the clear vial) into the instrument's sample compartment and zero the instrument as per its instructions.
4. **Measure Standards:** Insert the DPD Chlorine HR standards (pink vials) one by one into the instrument. Record the readings for each standard.
5. **Verify Readings:** Compare the instrument readings with the expected values provided with your specific instrument or in the kit documentation. Significant deviations indicate a need for instrument calibration or service.
6. **Post-Use Storage:** After use, return the standards to their original packaging and store them upright under the recommended conditions.

## 4. MAINTENANCE

- **Cleaning:** Wipe the exterior of the vials with a soft, lint-free cloth if necessary. Do not use abrasive cleaners or solvents, as these may damage the vial or affect the gel.
- **Handling:** Handle vials carefully to prevent breakage. Avoid touching the optical surfaces of the vials that will be inserted into the instrument to prevent fingerprints or smudges that could affect readings.
- **Storage:** Always store the standards in their original packaging, upright, and within the specified temperature range (10°C - 25°C) to preserve their integrity and extend their shelf life. Ensure the caps are securely tightened.

## 5. TROUBLESHOOTING

- **Inaccurate Readings:** If instrument readings deviate significantly from expected values, ensure the standards are stored correctly and are within their expiration date. Verify that the instrument is clean, properly warmed up, and calibrated. Check for any air bubbles or particulate matter within the gel standards.
- **Standards Appear Degraded:** If the gel appears cloudy, discolored, or shows signs of separation, the standards may be compromised and should be replaced. Ensure proper storage conditions were consistently maintained.

## 6. SPECIFICATIONS

Attribute	Detail
Item Model Number	2893300
Manufacturer	HACH COMPANY
Date First Available	August 28, 2014
ASIN	B00N40EFR2

## 7. WARRANTY AND SUPPORT

For technical assistance, product support, or information regarding the limited warranty for your Hach SpecCheck Secondary Gel Standards Set, please contact Hach Company directly. Refer to the contact details provided on the product packaging or visit the official Hach website for the most current support information.

