

## CERTIFICATION OF CONFORMANCE

Product Code: PWQ11V100

Product Description: Water Hardness Test Strips

Packaging: Packaged in White Bottles

Lot Number: Date code assigned based on manufacturing date – not on current label

Expiration Date: Two years minimum from date of manufacture – not on current label

Each Lot of test strips is tested both for precision and accuracy.

### Precision Testing

- 10 strips from each lot are tested simultaneously in a hardness standard which has been prepared from Calcium Chloride Dihydrate (ACS grade) to a corresponding Calcium Carbonate gpg level of 3 gpg (50ppm).
- Strips are evaluated on a pass/fail basis.
- All 10 strips must pass (little or no variation in color) for the lot to be acceptable.

### Accuracy Testing


- Hardness standards are prepared by serial dilution using a 60 gpg (1000 ppm) Calcium Carbonate stock standard solution prepared from ACS Grade Calcium Chloride Dihydrate and deionized water.
- Standards are prepared at values of 0, 3, 7, 15, and 30 gpg.
- Following the label instruction, test strips are tested using each standard with results determined by comparing the color developed by the strip against an approved color chart.
- Test strips are accepted if the color developed for the standard being evaluated visually falls within +/- ½ color unit.

#### Standard Value gpg (ppm)

30 (500)  
15 (250)  
7 (125)  
3 (50)  
0

#### Acceptable Range (+/- ½ color unit)

22.5-30+  
11-22.5  
5-11  
1.5-5  
0-1.5



10/15/19

Scott Bartman  
Bartovation LLC | Owner