



# H<sub>2</sub> HUBB Official Summary Test Report

---

## Q-Life: H<sub>2</sub> Well - Hydrogen-Rich Water Pitcher

### **Product:**

**Name:** H<sub>2</sub> Well

**Company:** Q-Life (Micro Research Institution Inc)

**Type:** H<sub>2</sub> water Device

- PEM/SPE
- Electrolytic Batch-pitcher device

**Model:** WCI-1215

**Serial number:** QLHW190800136A

**Tester:** Tywon Hubbard (TH)

**Testing start date:** 3/10/20

**Completion date:** 3/24/20

### **PERFORMANCE:**

#### **H<sub>2</sub> Dissolved Concentration Test:**

- **METHOD:**
  - Distilled water (used for testing): 6 pH
  - Distilled water (used to verify independent conductivity of the PEM)
  - Water Temperature: 70~75F /21~22.8C
  - Pitcher Reservoir Vol: 1 Liter/ 1000 mL
  - Testing reservoir Vol: 0.4~0.8 L (400~800 mL)
  - pH: The unit did increase the pH of the water
  - Session test time frame: 6 and 10 minutes
  - Test location: 277 meters (909 ft elevation)
  - Test methodology: Titration: H<sub>2</sub>Blue Test Reagent
  - All mg/L test converted to SATP (water temp and pressure)
  - Claimed H<sub>2</sub> mg/L: 1.6 mg/L (depending on type and temp of water)
- **HYDROGEN mg/L TESTING: Distilled Water**
  - **10-minute setting(0.8L):**
    - Test 1: 1.4 mg/L, water temp (70~75F)
    - Test 2: 1.2 mg/L, water temp (70~75F)
    - Test 3: 1.2 mg/L, water temp (70~75F)
    - Test 4: 1.2 mg/L, water temp (70~75F)
    - Test 5: 1.3 mg/L, water temp (70~75F)
  - **10-minute setting(0.4L):**
    - Test 1: 1.2 mg/L, water temp (70~75F)

- Test 2: 1.2 mg/L, water temp (70~75F)
- Test 3: 1.2 mg/L, water temp (70~75F)
- **6-minute setting (0.8L):**
- Test 1: 0.9 mg/L, water temp (70~75F)
- Test 2: 0.8 mg/L, water temp (70~75F)
- Test 3: 0.8 mg/L, water temp (70~75F)
- **6-minute setting (0.4L):**
- Test 1: 1.0 mg/L, water temp (70~75F)
- Test 2: 0.9 mg/L, water temp (70~75F)
- Test 3: 0.9 mg/L, water temp (70~75F)
  - **10-mins (0.8L): Avg mg/L (ppm):** 1.26 mg/L (ppm)
  - **10-mins (0.4L): Avg mg/L (ppm):** 1.20 mg/L (ppm)
  - **6-mins (0.8L): Avg mg/L (ppm):** 0.83 mg/L (ppm)
  - **6-mins (0.4L): Avg mg/L (ppm):** 0.93 mg/L (ppm)
  - **Avg H<sub>2</sub> mg Produced in designated vol:**
    - **10-mins (0.8L):** 1.0 mg
    - **10-mins (0.4L):** 0.48 mg
    - **6-mins (0.8L):** 0.64 mg
    - **6-mins(0.4L):** 0.37 mg
  - **Total H<sub>2</sub> milligrams able to be ingested in 1 liter:**
    - 1.26 mg
  - **Device H<sub>2</sub> mg/L (ppm) range:** 0.8~1.4 mg/L (ppm)
- **Highest hydrogen concentration:**
- **Initial (3/11/20):**
  - 1.4 mg/L (ppm)
- **Contamination Test:**
  - **Chlorine (Cl<sub>2</sub>):** No detectable levels
  - **Ozone (O<sub>3</sub>):** No detectable levels
- **Disinfectant Test:**
  - **Chlorine (Cl<sub>2</sub>):** 10 mins: 10~25 ppm
    - **Added salt:** NaCl (0.5 mg)/200mL/TDS 1000+
      - 500 ppm (HOCl)
  - **Ozone (O<sub>3</sub>):** 10 mins: 0.1~0.2 ppm
  - The device with our local tap water (which contains chlorine), was able to produce a low-grade disinfectant solution of 10~25 ppm of HOCl. .
  - Added salt: The device was able to produce an effective disinfectant solution of 500 ppm OCl/HOCl with 0.5 mg of table salt (NaCl).
- **PEM/SPE pH test**
  - Starting pH: 6
  - After 6 min cycle: 6.5~7.5 pH
  - After 10 min cycle: 8.5~9.0 pH
    - The system seems to be reducing a decent quantity of H<sup>+</sup> from the catholyte.

## **Summary Report Only.**

### **Not Full Test Report.**

**Other testing and technical sections are not included out of respect and professional courtesy of the RPC.**

*H<sub>2</sub> Hubb LLC disclaimer: All tests conducted and test results produced by H<sub>2</sub> Hubb LLC have been done according to industry-accepted practices and standards. Nevertheless, these results may not necessarily reflect test results performed by manufacturers, suppliers or third-party labs. Our test results are independent of all other parties, and testing by other parties may produce different results. We understand that many variables are involved in testing, some of which are extremely difficult to control. These reports are not meant or intended for any other purpose but to uphold H<sub>2</sub> Hubb LLC business practices and to validate the reasons for our recommendations.*

**Approved by: Tywon Hubbard**



Tywon Hubbard,  
CEO, H<sub>2</sub> HUBB LLC.  
[Tywon@H2HUBB.com](mailto:Tywon@H2HUBB.com)

