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

### **Product:**

**Company:** LumiVitae

**Name:** Cell Power Hydrogen Water Bottle

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

- PEM/SPE
- Portable hydrogen water generator
- Low-PSI bottle

**SN:** CPWB1-002-1726

**Tester:** Tywon Hubbard (TH)

**Testing start date:** 4/15/24

**Completion date:** 5/10/24

### **PERFORMANCE:**

#### **H<sub>2</sub> mg/L Concentration Test: Cell Power Hydrogen Water Bottle**

- **METHODOLOGY:**
- Distilled water: 6.0 pH (verifies that unit can function with low water conductivity)
- ΔpH (delta pH): Did not increase
- Water Temperature: 65~70°F/ 18~21°C
- Bottle Vol Size: 0.320 L or 320 mL
- Cycle Time Frame:
  - 3 minutes
  - 5 minutes
  - 9 minutes
- Contamination Tests:
  - Chlorine generation (Cl<sub>2</sub>)
  - Ozone Generation (O<sub>3</sub>)
- Test Location: 277 meters (909 ft elevation)
- Test Methodology: Titration: H<sub>2</sub>Blue® Test Reagent
- All Dissolved H<sub>2</sub> Concentration Tests Converted to SATP (water temp and pressure)
- Claimed Dissolved H<sub>2</sub> mg/L: 1.2-1.4 mg/L (post 3~9 minutes)

#### **H<sub>2</sub> mg/L (ppm) Concentration Test at SATP:**

- **3-mins avg mg/L (ppm):** ≈ 0.80 mg/L (ppm)
- **5-mins avg mg/L (ppm):** ≈ 1.30 mg/L (ppm)
- **9-mins avg mg/L (ppm):** ≈ 1.80 mg/L (ppm)
- **Avg H<sub>2</sub> mg Produced in Designated Vol:**
  - **3-mins:** ≈ 0.25 mg
  - **5-mins:** ≈ 0.41 mg
  - **9-mins:** ≈ 0.56 mg
- **Claimed H<sub>2</sub> mg/L (ppm) confirmed:** Yes

#### **H<sub>2</sub> HUBB Hydrogen Concentration Assessment**

- According to our testing, the LumiVitae Cell Power Hydrogen Water Bottle exhibits a dissolved molecular hydrogen concentration consistent with the assessment conducted by H<sub>2</sub>Analytics regarding the bottle's hydrogen gas levels. Our aim was to conduct a confirmation assessment of the product's hydrogen concentration in line with our policy outlined in the Recommendation Guidelines and Terms. This decision was made because LumiVitae, the company, has already obtained highly accurate hydrogen concentration (mg/L) test results through H<sub>2</sub> Analytics, a US-based hydrogen laboratory. According to the H<sub>2</sub> Analytics Test report, the Cell Power hydrogen water bottle achieved 1.06 mg/L (ppm) with its 3-minute cycle, 1.51 mg/L (ppm) with its 5-minute cycle, and 1.89 mg/L (ppm) with its 9-minute cycle. Based on current scientific literature

in human studies, the dissolved hydrogen concentration on the 5-9 minute settings is deemed sufficient to induce therapeutic effects. Consistently, we strive to align our measurements within a 5-20% range of gas chromatography measurements conducted by H<sub>2</sub> Analytics, acknowledging the potential for human error in our testing processes. The Cell Power Hydrogen Water Bottle achieved an H<sub>2</sub> concentration of 0.8-1.8 mg/L across its cycle times of 3-9 minutes, based on our testing. These results fall within our 5-20% confirmation range, with the 9-minute cycle time test mg/L H<sub>2</sub> concentration results being within 4% of gas chromatography test results. The bottle surpasses our [H<sub>2</sub>HUBB standards for both H<sub>2</sub> concentration and Daily Dose of H<sub>2</sub>](#), and we recommend users utilize the 9-minute cycle time for consuming hydrogen water from the device.

**Contamination Test:**

- Chlorine (Cl<sub>2</sub>): No detectable levels
- Ozone (O<sub>3</sub>): No detectable levels

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**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's business practices and to validate the reasons for our recommendations.*

**Approved by: Tywon Hubbard**



Tywon Hubbard,  
CEO, H<sub>2</sub> HUBB LLC.

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# LumiVitae

