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H₂HUBB Official Test Report

Product:

Name: Portable Hydrogen Generator (CH-100)

Company: HydrogenMed Biotechnology Corp.

Type: Dual-function H₂ Device

- Pure H₂ Inhalation (>99.999/5N)
 - PEM/SPE
- Hydrogen-rich water
 - Specialized hydrogen water bottle
 - High RPM mixing function to dissolve H₂

Model: CH-100

Serial number: SN-2101034

Tester: Tywon Hubbard (TH)

Testing start date: 2/4/21

Completion date: 2/9/21

PERFORMANCE:

H₂ mL/min Confirmation Test: CH-100 Generator

- **METHODOLOGY:**
- Distilled Water (used for testing): 6 pH
- Water Temperature: 65~70F/ 18.3~21.1C
- Reservoir Vol Size: 0.250 L/250 mL
- H₂ output: 100 mL/min or 8.2 mg/min (@ SATP)
- H₂ Flow Test: mL/min, normal timing for a breathing session
 - Test methodology: Technical Gas Displacement
 - All measurements converted to SATP

H₂ mg/L Concentration Test: Specialized H₂ Water Bottle

- **METHODOLOGY:**
- Distilled Water
- Water Temperature: 65~70F/ 18.3~21C
- Bottle Vol Size: 280 mL
- pH: The unit did increase the pH of the water
- Mixing Session Time Frame: 90 seconds (1:30 minutes)
- Test Location: 277 meters (909 ft elevation)
- Test Methodology: Titration: H₂Blue Test Reagent
- All mg/L Tst Converted to SATP (water temp and pressure)
- Claimed H₂ mg/L: 1.2~1.4 mg/L (post 90 second mixing)

H₂ Flow Test at SATP:

- 106.44 mL/min: converts: 8.77 mg/min
- 106.44 mL/min: converts: 8.77 mg/min
- 101.60 mL/min: converts: 8.37 mg/min
- 106.44 mL/min: converts: 8.77 mg/min
- 101.60 mL/min: converts: 8.37 mg/min
- 111.27 mL/min: converts: 9.17 mg/min

- 101.60 mL/min: converts: 8.37 mg/min
- 106.44 mL/min: converts: 8.77 mg/min
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- 106.44 mL/min: converts: 8.77 mg/min
- **Claimed Mfg's H₂ mL/min (mg/min) confirmed:** Yes
- **Device H₂ mL/min (mg/min) avg:** 105.47 mL/min: converts: 8.70 mg/min

H₂ mg/L (ppm) Test at SATP:

- 1.55 mg/L, water temp (65~70F)
- 1.55 mg/L, water temp (65~70F)
- 1.65 mg/L, water temp (65~70F)
- 1.65 mg/L, water temp (65~70F)
- 1.65 mg/L, water temp (65~70F)
- 1.65 mg/L, water temp (65~70F)
- 1.65 mg/L, water temp (65~70F)
- 1.55 mg/L, water temp (65~70F)
- 1.55 mg/L, water temp (65~70F)
- 1.45 mg/L, water temp (65~70F)
- 1.45 mg/L, water temp (65~70F)
- **Claimed Mfg's H₂ mg/L (mg/min) confirmed:** Yes
- **Avg mg/L (ppm):** 1.57 mg/L (ppm)
- **Avg H₂ mg Produced in Designated Vol:**
 - **After 90 seconds:** 0.44 mg
- **Total H₂ Milligrams Able to be Ingested in 1 Liter:**
 - 1.57 mg
- **Dissolved H₂ mg/L (ppm) range:** 1.45~1.65mg/L (ppm)

Summary Report Only.

Not Full Test Report.

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

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Approved by: Tywon Hubbard


