



Kurt E. Floren
Agricultural Commissioner
Director of Weights and Measures

COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory
11012 Garfield Avenue, Bldg. B
South Gate, California 90280
<http://acwm.co.la.ca.us>

California State DHS Certificate #1430
County Sanitation ID #10240



Richard K. Iizuka
Chief Deputy

Report Date: August 22, 2012

Sample Description: Berkey Water Filter

Attention: Adam Lock
New Millennium Concepts, Ltd.
PO Box 201411
Arlington, TX 76006

Date Received: May 23, 2012

Laboratory ID Number: E1201232001

FILTER PREPARATION PRIOR TO ANALYSES: The complete filtering unit was initially rinsed and drained with 1 liter of deionized water.

INORGANIC TESTING

Description of Methods:

Nitrite: A 500 mL of 2 mg/L nitrite was transferred to filter unit E1201232001, filtered through the filter and analyzed. Procedures was performed on 05/22/12.

MBAS Analyses: A 500-mL of 300 μ g/L aliquot was passed through the filter and analyzed. Procedure was performed on 05/24/12.

Trace Metals: 500 mL of 200 μ g/L each of aluminum, chromium, copper, lead, nickel, cadmium, cobalt, arsenic, molybdenum, vanadium, antimony, selenium, thallium and barium were transferred to filter unit E1201232001, filtered through the filter, and analyzed. Procedure was performed on 06/05/12.

Mercury: 1 liter of 25 μ g/L mercury in water was transferred to E1201232001, filter through the filter and analyzed on 06/02/12.

Turbidity: 500mL water with turbidity value of 4.50 NTU was passed through the filters and analyzed. Procedure performed on 06/01/12.

Chromium VI: 500 mL water with 200 μ g/L chromium VI was filtered through filter unit E1201232001, and the filtrate was analyzed on 07/13/12.


Total Residual Chlorine: 500mL aliquot of 0.65 mg/L chlorine was passed through the filters and analyzed on 06/01/12.

E1201232

| WO # E1201232 | Analyte | Method Used ¹ | Pre-Filtered Concentra- tion | Units | Post-Filtra- tion Result | % Reduc- tion | Report- ing Limit | Date Analyzed |
|------------------|----------------|-----------------------------|------------------------------------|-------|--------------------------------|------------------|-------------------------|------------------|
| 001 | Nitrite | 300.0 | 2.00 | mg/L | <0.10 | >95.0 | 0.10 | 05/22/12 |
| 001 | MBAS | SM 5540 C | 300 | µg/L | <10 | >96.7 | 10 | 05/24/12 |
| 001 | Aluminum | 200.8 | 200 | µg/L | <50 | >75.0 | 50 | 06/05/12 |
| 001 | Arsenic | 200.8 | 200 | µg/L | <2.0 | >99.0 | 2.0 | 06/05/12 |
| 001 | Chromium | 200.8 | 200 | µg/L | <10.0 | >95.0 | 10.0 | 06/05/12 |
| 001 | Copper | 200.8 | 200 | µg/L | <10.0 | >95.0 | 10.0 | 06/05/12 |
| 001 | Nickel | 200.8 | 200 | µg/L | <10.0 | >95.0 | 10.0 | 06/05/12 |
| 001 | Cadmium | 200.8 | 200 | µg/L | <1.0 | >99.5 | 1.0 | 06/05/12 |
| 001 | Cobalt | 200.8 | 200 | µg/L | <10.0 | >95.0 | 10.0 | 06/05/12 |
| 001 | Lead | 200.8 | 200 | µg/L | <5.0 | >97.5 | 5.0 | 06/05/12 |
| 001 | Molybdenum | 200.8 | 200 | µg/L | <20.0 | >90.0 | 20.0 | 06/05/12 |
| 001 | Vanadium | 200.8 | 200 | µg/L | <25.0 | >87.5 | 25.0 | 06/05/12 |
| 001 | Antimony | 200.8 | 200 | µg/L | <5.0 | >97.5 | 5.0 | 06/05/12 |
| 001 | Selenium | 200.8 | 200 | µg/L | <5.0 | >97.5 | 5.0 | 06/05/12 |
| 001 | Thallium | 200.8 | 200 | µg/L | <1.0 | >99.5 | 1.0 | 06/05/12 |
| 001 | Barium | 200.8 | 200 | µg/L | <10 | >95.0 | 10 | 06/05/12 |
| 001 | Chromium VI | 218.6 | 200 | µg/L | <0.30 | >99.8 | 0.30 | 07/13/12 |
| 001 | Mercury | 245.1 | 25.0 | µg/L | <0.50 | >98.0 | 0.50 | 06/02/12 |
| 001 | Total Chlorine | SM4500Cl | 0.65 | mg/L | <0.10 | >85.0 | 0.10 | 06/01/12 |
| 001 | Turbidity | SM 2130B | 4.50 | NTU | <.10 | >97.8 | 0.10 | 06/01/12 |

Submitted By:

 10/16/2012
Hertz-Wei Chen, Supervising Toxicologist Date

 10/18/12
Thant Win, Chief Date
tm