



Kurt E. Floren
Agricultural Commissioner
Director of Weights and Measures

COUNTY OF LOS ANGELES

**Department of
Agricultural Commissioner/
Weights and Measures**

Environmental Toxicology Laboratory
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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 µg/L aliquot was passed through the filter and analyzed. Procedure was performed on 05/24/12.

Trace Metals: 500 mL of 200 µg/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 µg/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 µg/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 Concentration	Units	Post-Filtration Result	% Reduction	Reporting 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
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