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COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

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Richard K. Iizuka
Chief Deputy

California State DHS Certificate #1430
County Sanitation ID #10240

Report Date: August 22, 2012

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

Sample Description: Berkey Water Filter

Date Received: May 23, 2012

Laboratory ID Number: E1201232001

FILTER PREPARATION PRIOR TO ANALYSES: The complete filtering unit was initially rinsed with deionized water.

ORGANIC TESTING

Description of Methods:

Volatile Organic (Method 524.2): 250 µL of volatile organic standard in methanol at 2000 µg/mL was added to 2 liter of deionized water. This spiked water (concentration =250 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedures was performed on 06/14/12.

Chlorinated Pesticides (Method 505): 1.0 mL of Chlorinated Pesticides at 20~200 µg/mL was added to 2.0 liter of deionized water. This spiked water (concentration = 10~100 µg/l) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 06/21/12.

Nitrogen and Phosphorus containing Pesticides (Method 507): 2.0 mL of simazine, atrazine, molinate and thiobencarb at 50 µg/mL was added to 2.0 liter of deionized water. This spiked water (concentration = 50 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 06/21/12.

Chlorinated Acids (Method 515.3): 2.0 mL of Chlorinated Acids at 6-46 µg/mL was added to 2.0 liter of deionized water. This spiked water (concentration = 6-46 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 06/12/12.

Carbamates (Method 531.1): 2.0 mL of Carbamate at 100 µg/mL was added to 2.0 liter of deionized water. This spiked water (concentration = 100 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 06/13/12.

Glyphosate (Method 547): 2.0 mL of glyphosate standard at 100 µg/mL was added to 2.0 liter of deionized water. This spiked water (concentration = 100 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 06/07/12.

Method 504 Spike Sample Preparation: 1.0 mL of EDB & DBCP standard at 200 µg/mL was added to 2.0 liters of deionized water. This spiked water (concentration = 100 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 07/17/12.

Method 552 Spike Sample Preparation: 1.0 mL of EPA 552 standard solution at 100 µg/mL was added to 2.0 liters of deionized water. This spiked water (concentration = 50 µg/L) was transferred to filter unit E1201232001, filtered through the unit and analyzed. Procedure was performed on 06/14/12.

Analyte	Method Used[1]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
Dibromochloropropane (DBCP)	504.1	100	µg/l	<.01	>99.99	0.01	07/20/12
Ethylene Dibromide (EDB)	504.1	100	µg/l	<.02	>99.98	0.02	07/20/12
Bromodichloromethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Bromoform	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Chloroform	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Dibromochloromethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Benzene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Carbon Tetrachloride	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,2-Dichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,4-Dichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,1-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,2-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,1-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
cis-1,2-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
trans-1,2-Dichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Dichloromethane (methylene chloride)	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,2-Dichloropropane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12

Analyte	Method Used[1]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
Ethyl benzene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,3-Dichloropropene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,1-Dichloroethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Monochlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Styrene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,1,2,2-Tetrachloroethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Tetrachloroethylene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Toluene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,2,4-Trichlorobenzene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,1,1-Trichloroethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
1,1,2-Trichloroethane	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Trichloroethylene	524.2	250	µg/l	<0.5	>99.80	0.50	06/14/12
Trichlorotrifluoroethane (Freon 113)	524.2	250	µg/l	<10	>96.00	10.0	06/14/12
Total Xylenes	524.2	750	µg/l	<1.5	>99.80	1.50	06/14/12
MTBE	524.2	250	µg/l	<1	>99.60	1.00	06/14/12
Hexachlorocyclopentadiene	505	10	µg/l	<1	>90.00	1.00	06/21/12
Lindane	505	10	µg/l	<0.2	>98.00	0.20	06/21/12
Heptachlor	505	10	µg/l	<0.01	>99.90	0.01	06/21/12
Heptachlor epoxide	505	10	µg/l	<0.01	>99.90	0.01	06/21/12
Endrin	505	10	µg/l	<0.1	>99.00	0.10	06/21/12
Methoxychlor	505	100	µg/l	<10	>90.00	10.0	06/21/12
Molinate	507	50	µg/l	<2	>96.00	2.00	06/22/12
Atrazine	507	50	µg/l	<0.5	>99.00	0.50	06/22/12
Simazine	507	50	µg/l	<1	>98.00	1.00	06/22/12
Thiobencarb	507	50	µg/l	<1	>98.00	1.00	06/22/12
2,4-D	515.3	10.1	µg/l	<1	>90.10	1.00	06/12/12
Dinoseb	515.3	14.3	µg/l	<2	>86.01	2.00	06/12/12
Pentachlorophenol	515.3	6.65	µg/l	<0.2	>96.99	0.20	06/12/12
Silvex	515.3	10.2	µg/l	<1	>90.20	1.00	06/12/12
Oxamyl	531.1	100	µg/l	<5	>95.00	5.00	06/14/12
Carbofuran	531.1	100	µg/l	<5	>95.00	5.00	06/14/12
Glyphosate	547	100	µg/l	<25	>75.00	25.0	06/08/12

Analyte	Method Used[2]	Pre-Filtered Concentration	Units	Post-Filtration Result	% Reduction	Reporting Limit	Date Analyzed
Bromoacetic Acid	552.2	50	µg/l	<1	>98.00	1.00	6/14/12
Chloroacetic Acid	552.2	50	µg/l	<2	>96.00	2.00	6/14/12
Dibromoacetic Acid	552.2	50	µg/l	<1	>98.00	1.00	6/14/12
Dichloroacetic Acid	552.2	50	µg/l	<1	>98.00	1.00	6/14/12
Total Haloacetic Acids (HAA5)	552.2	50	µg/l	<1	>98.00	1.00	6/14/12
Trichloroacetic Acid	552.2	50	µg/l	<1	>98.00	1.00	6/14/12

Submitted By:

09/04/2012

Shaomeng Maggie Xuan, Supervising Toxicologist Date

09/04/12

Thant Z. Win, Chief Date

1. Method number from EPA publication EPA-600/4-79-020, rev. 3/83.

2. Method number from EPA publication EPA-600/4-79-020, rev. 3/83.