ENVIROTEK LABORATORIES, INC.
120 White Owl Trail, Mullica Hill, NJ 08062
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 08012

TEST RESULTS

FOR

New Millennium Concepts, LTD.

PO BOX 201411

ARLINGTON, TX 48390

Black Berkey Filtration Element

NSF Standard 53, and NSF Standard 42
Chemical Reduction Tests Results

ENVIROTEK LABORATORIES, INC.

120 White Owl Trail, Mullica Hill, NJ 08062
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 08012

BLACK BERKEY FILTRATION ELEMENT TEST REPORT

Report # 14-260 (Black Berkey Filtration Element)
Report Date: 10/15/2014
Customer Name: New Millennium Concepts, LTD.

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Black Berkey Filtration Element Effluent Concentration in µg/L	% Reduction
Heavy Metal Contaminants in µg/L pH = 6.5			
Aluminum	214	<2	>99.0
Antimony	6.1	<0.5	>99.9
Arsenic	312	<2	>99.9
Beryllium	50.2	<0.5	>99.9
Bismuth	50.2	<2	>99.9
Cadmium	30.5	<0.5	>99.7
Chromium	310	<2	>99.9
Copper	3,150	<2	>99.9
Iron	3,100	<2	>99.9
Lead	152	<2	>99.9
Manganese	1,040	<2	>99.9
Mercury	6.1	<0.5	>99.9
Nickel	102	<2	>99.9
Selenium	106	<2	>99.9
Zinc	3,000	<2	>99.9
Heavy Metal Contaminants in µg/L pH = 8.5			
Aluminum	214	<2	>99.1
Antimony	6.1	<0.5	>99.9
Arsenic	312	<2	>99.9
Beryllium	50.2	<0.5	>99.9
Bismuth	50.2	<2	>99.9
Cadmium	30.5	<0.5	>99.7
Chromium	310	<2	>99.9
Copper	3,150	<2	>99.9
Iron	3,100	<2	>99.9
Lead	152	<2	>99.9
Manganese	1,040	<2	>99.9
Mercury	6.1	<0.5	>99.9
Nickel	102	<2	>99.9
Selenium	106	<2	>99.9
Zinc	3,000	<2	>99.9
Pesticide Contaminants in µg/L			
4,4'-DDD	50.1	<0.5	>99.9
4,4'-DDE	50.2	<0.5	>99.9
4,4'-DDT	50.0	<0.5	>99.9
Alachlor	40.1	<0.5	>99.9
Aldrin	50.1	<0.5	>99.9
Alpha-BHC	50.3	<0.5	>99.9
Ametryn	50.4	<0.5	>99.9
Atraton	50.0	<0.5	>99.9
Atrazine	9.0	<0.5	>99.9
Beta-BHC	49.7	<0.5	>99.9
Bromacil	50.2	<0.5	>99.9
Carbofuran	80.2	<0.5	>99.9
Chlordane	40.3	<0.5	>99.9
Chlorneb	51.6	<0.5	>99.9
Chlorobenzilate	50.1	<0.5	>99.9
Chlorothalonil	50.2	<0.5	>99.9
Chlorprophane	51.1	<0.5	>99.9
Cyanizene	51.3	<0.5	>99.9
Delta-BHC	50.2	<0.5	>99.9
Dichlorvos	50.4	<0.5	>99.9
Dieldrin	49.7	<0.5	>99.9
Diphenamid	50.2	<0.5	>99.9

ENVIROTEK LABORATORIES, INC.

120 White Owl Trail, Mullica Hill, NJ 08062
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 08012

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Black Berkey Filtration Element Effluent Concentration in µg/L	% Reduction
Pesticide Contaminants in µg/L			
Disulfoton	51.5	<0.5	>99.9
Endosulfan Sulfate	51.2	<0.5	>99.9
Endrin	6.1	<0.5	>99.9
Endrin Aldehide	51.2	<0.5	>99.9
Endrin Ketone	52.1	<0.5	>99.9
Endusulfan I	49.8	<0.5	>99.9
Endusulfan II	50.2	<0.5	>99.9
Ethoprop	50.2	<0.5	>99.9
Fenamiphos	51.2	<0.5	>99.9
Fluoridone	51.4	<0.5	>99.9
Gamma-BHC (Lindane)	2.1	<0.5	>99.9
Heptachlor	81.2	<0.5	>99.9
Methoxychlor	120	<0.5	>99.9
Molinate	50.2	<0.5	>99.9
PCB's	10.0	<0.5	>99.9
Prometron	50.2	<0.5	>99.9
Simazine	12.0	<0.5	>99.9
Toxaphene	15.0	<0.5	>99.9
Semivolatile Contaminants in µg/L			
Acenaphthylene	50.2	<0.5	>99.9
Anthracene	50.0	<0.5	>99.9
Benz[a]anthracene	50.5	<0.5	>99.9
Benzo[b]fluoranthene	51.2	<0.5	>99.9
Benzo[k]fluoranthene	51.0	<0.5	>99.9
Benzo[a]pyrene	50.3	<0.5	>99.9
Benzo[g,h,i]perylene	50.4	<0.5	>99.9
Butylbenzylphthalate	50.5	<0.5	>99.9
Carboxin	50.1	<0.5	>99.9
2-Chlorobiphenyl	50.3	<0.5	>99.9
Chrysene	52.0	<0.5	>99.9
Cycloate	51.5	<0.5	>99.9
Dacthal (DCPA)	51.0	<0.5	>99.9
Diazinon	51.0	<0.5	>99.9
Dibenz[a,h]anthracene	50.6	<0.5	>99.9
Di-n-Butylphthalate	50.9	<0.5	>99.9
2,3-Dichlorobiphenyl	50.6	<0.5	>99.9
Diethylphthalate	49.7	<0.5	>99.9
Di(2-ethylhexyl)adipate	50.4	<0.5	>99.9
Di(2-ethylhexyl)phthalate	51.0	<0.5	>99.9
Dimethylphthalate	51.6	<0.5	>99.9
EPTC	50.7	<0.5	>99.9
Fluorene	49.9	<0.5	>99.9
2,2', 3,3', 4,4', 6-Heptachlorobiphenyl	51.4	<0.5	>99.9
Hexachlorobenzene	49.4	<0.5	>99.9
2,2', 4,4', 5,6'-Hexachlorobiphenyl	50.2	<0.5	>99.9
Hexachlorocyclohexane, alpha	51.2	<0.5	>99.9
Hexachlorocyclohexane, beta	51.2	<0.5	>99.9
Hexachlorocyclohexane, delta	51.0	<0.5	>99.9
Hexachlorocyclopentadiene	50.4	<0.5	>99.9
Hexazinone	50.0	<0.5	>99.9
Indeno[1,2,3,c,d]pyrene	49.8	<0.5	>99.9
Isophorone	51.5	<0.5	>99.9
Merphos	51.5	<0.5	>99.9
Methyl Paraoxon	51.4	<0.5	>99.9
Norflurazon	51.4	<0.5	>99.9
2,2', 3,3', 4,5', 6,6'-Octachlorobiphenyl	50.4	<0.5	>99.9
Pebulate	50.4	<0.5	>99.9
Pentachlorophenol	50.5	<0.5	>99.9
Phenanthrene	50.4	<0.5	>99.9
cis-Permethrin	51.4	<0.5	>99.9
trans-Permethrin	49.7	<0.5	>99.9
Prometon	51.1	<0.5	>99.9

ENVIROTEK LABORATORIES, INC.

120 White Owl Trail, Mullica Hill, NJ 08062
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 08012

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Black Berkey Filtration Element Effluent Concentration in µg/L	% Reduction
Semivolatile Contaminants in µg/L			
Prometryn	50.5	<0.5	>99.9
Pronamide	50.4	<0.5	>99.9
Propachlor	51.2	<0.5	>99.9
Propazine	51.0	<0.5	>99.9
Triademefon	50.2	<0.5	>99.9
2,4,5-Trichlorobiphenyl	51.3	<0.5	>99.9
Triademefon	50.2	<0.5	>99.9
2,4,5-Trichlorobiphenyl	50.5	<0.5	>99.9
Tricyclazole	51.2	<0.5	>99.9
Trifluralin	51.5	<0.5	>99.9
Disinfectant and Inorganic Non-Metallic Contaminants in mg/L			
Chloramines	3.2 mg/L	<0.1 mg/L	>99.9
Free Chlorine	2.1 mg/L	<0.1 mg/L	>99.9
Chloride	252 mg/L	<1 mg/L	>99.6
Fluoride	8.1 mg/L	<0.1 mg/L	>99.9
Pharmaceutical Drugs Contaminants in µg/L			
Acetaminofen	20.5	<0.1	>99.9
Caffeine	20.1	<0.1	>99.9
Carbamazepine	20.2	<0.1	>99.9
Ciprofloxacin HCl	21.5	<0.1	>99.9
Erythromycin USP	20.5	<0.1	>99.9
Sulfamethoxazole	21.3	<0.1	>99.9
Trimethoprim	20.7	<0.1	>99.9
Bisphenol A	20.5	<0.1	>99.9
Diclofenac Sodium	20.5	<0.1	>99.9
4-para-Nonylphenol	20.4	<0.1	>99.9
4-tert-Octylphenol	20.5	<0.1	>99.9
Primidone	20.4	<0.1	>99.9
Progestrone	20.5	<0.1	>99.9
Gemfibrozil	20.2	<0.1	>99.9
Ibuprofen	20.1	<0.1	>99.9
Naproxen Sodium	20.4	<0.1	>99.9
Triclosan	20.4	<0.1	>99.9
Petroleum Contaminants in µg/L			
Gasoline	50.1	<0.5	>99.9
Diesel	50.5	<0.5	>99.9
Crude Oil	50.8	<0.5	>99.9
Kerosene	50.6	<0.5	>99.9
Mineral Spirits	50.1	<0.5	>99.9
Refine Oil	50.3	<0.5	>99.9
Individual Organic Compound			
Methylcyclohexane-methane	132 µg/L	<0.5 µg/L	>99.9

Jaime Young

Jaime Young
Lab Director