

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 Purification Element

NSF Standard 53, and NSF Standard 42

Chemical Reduction Tests Results

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BLACK BERKEY PURIFICATION ELEMENT TEST REPORT

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

Drinking Water Contaminant Tested	Influent Water Concentration in µg/L	Black Berkey Purification 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

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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 Aldehyde	51.2	<0.5	>99.9
Endrin Ketone	52.1	<0.5	>99.9
Endosulfan I	49.8	<0.5	>99.9
Endosulfan 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

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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
Progesterone	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
Micro-Organisms			
Total Coliform	Present	Absent	>99.9
Fecal Coliform	Present	Absent	>99.9
e. Coli	Present	Absent	>99.9

Jaime Young

Jaime Young
 Lab Director