

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

РЕЗУЛТАТИ

ОТ ТЕСТОВЕТЕ

на филтриращ елемент “Black Berkey”

NSF Стандарт 53 и NSF Стандарт 42

Резултати от тестовете за редукция на химични
елементи/вещества

официален представител:

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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 PURIFICATION ELEMENT TEST REPORT

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

(bg) **Филтриращ елемент "BLACK BERKEY" - репорт от теста**

Репорт # 14-260 (филтриращ елемент "Black Berkey")

Дата на репорта: 15 Октомври 2014 г.

Име на клиента: New Millennium Concepts, LTD.

Drinking Water Contaminant Tested	Influent Water Concentration in ($\mu\text{g/L}$)	Black Berkey Purification Element Effluent Concentration in ($\mu\text{g/L}$)	(%) Reduction
(bg) Тестван замърсител в питейната вода	(bg) Входяща конц-я ($\mu\text{g/L}$)	(bg) Изходяща конц-я ($\mu\text{g/L}$)	(bg) (%) Понижение
Heavy Metal Contaminants in ($\mu\text{g/L}$) pH = 6.5			
(bg) Замърсяване с тежки метали ($\mu\text{g/L}$) pH = 6.5			
Aluminum / Алюминий	214	< 2	99.0
Antimony / Антимон	6.1	< 0.5	99.9
Arsenic / Арсен	312	< 2	99.9
Beryllium / Берилий	50.2	< 0.5	99.9
Bismuth / Бисмут	50.2	< 2	99.9

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Cadmium / Кадмий	30.5	< 0.5	99.7
Chromium / Хром	310	< 2	99.9
Copper / Мед	3,150	< 2	99.9
Iron / Желязо	3,100	< 2	99.9
Lead / Олово	152	< 2	99.9
Manganese / Манган	1,040	< 2	99.9
Mercury / Живак	6.1	< 0.5	99.9
Nickel / Никел	102	< 2	99.9
Selenium / Селен	106	< 2	99.9
Zinc / Цинк	3,000	< 2	99.9

Heavy Metal Contaminants in ($\mu\text{g/L}$) pH = 8.5

(бг) Загрязнение с тежки метали ($\mu\text{g/L}$) pH = 8.5

Aluminum / Алуминий	214	< 2	99.1
Antimony / Антимон	6.1	< 0.5	99.9
Arsenic / Арсен	312	< 2	99.9
Beryllium / Берилий	50.2	< 0.5	99.9
Bismuth / Бисмут	50.2	< 2	99.9
Cadmium / Кадмий	30.5	< 0.5	99.7
Chromium / Хром	310	< 2	99.9
Copper / Мед	3,150	< 2	99.9
Iron / Желязо	3,100	< 2	99.9
Lead / Олово	152	< 2	99.9
Manganese / Манган	1,040	< 2	99.9
Mercury / Живак	6.1	< 0.5	99.9
Nickel / Никел	102	< 2	99.9

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Selenium / Селен	106	< 2	99.9
Zinc / Цинк	3,000	< 2	99.9
Pesticide Contaminants in ($\mu\text{g/L}$)			
(бг) Замяряване с пестициди ($\mu\text{g/L}$)			
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

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Diphenamid	50.2	< 0.5	99.9
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	< 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 ($\mu\text{g/L}$)

(бг) Полуволетливи замърсители в ($\mu\text{g/L}$)

Acenaphthylene / Аценафтилен	50.2	< 0.5	99.9
Anthracene / Антрацен	50.0	< 0.5	99.9
Benz[a]anthracene / Бенз [a] антрацен	50.5	< 0.5	99.9
Benzo[b]fluoranthene / Бензо [b] флуорантен	51.2	< 0.5	99.9

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Benzo[k]fluoranthene / Бензо [к] флуорантен	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

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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
Prometryn	50.5	< 0.5	99.9
Pronamide	50.4	< 0.5	99.9
Propachlo	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 / Трициклазол	51.2	< 0.5	99.9
Trifluralin / Трифлуралин	51.5	< 0.5	99.9

Disinfectant and Inorganic Non-Metallic Contaminants in (mg/L)

(бг) Дезинфектанти и неорганични неметални замърсители (mg/L)

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Chloramines / Хлорамини	3.2 mg/L	< 0.1 mg/L	99.9
Free Chlorine / Свободен хлор	2.1 mg/L	< 0.1 mg/L	99.9
Chloride / Хлорид	252 mg/L	< 1 mg/L	99.6
Fluoride / Флуорид	8.1 mg/L	< 0.1 mg/L	99.9
Pharmaceutical Drugs Contaminants in (μg/L)			
(бг) Замърсяване с фармацевтични медикаменти (μg/L)			
Acetaminofen / Ацетаминофен	20.5	< 0.1	99.5
Caffeine / Кофеин	20.1	< 0.1	99.5
Carbamazepine / Карбамазепин	20.2	< 0.1	99.5
Ciprofloxacin HCl	21.5	< 0.1	99.5
Erythromycin USP / Еритромицин USP	20.5	< 0.1	99.5
Sulfamethoxazole	21.3	< 0.1	99.5
Trimethoprim / Триметоприм	20.7	< 0.1	99.5
Bisphenol A / Бисфенол А	20.5	< 0.1	99.5
Diclofenac Sodium / Диклофенак Натрий	20.5	< 0.1	99.5
4-para-Nonylphenol / 4-ал-нонилфенол	20.4	< 0.1	99.5
4-tert-Octylphenol / 4-трет-октилфенол	20.5	< 0.1	99.5
Primidone / Примидон	20.4	< 0.1	99.5
Progesterone / Прогестерон	20.5	< 0.1	99.5
Gemfibrozil / Гемфиброзил	20.2	< 0.1	99.5
Ibuprofen / Ибупрофен	20.1	< 0.1	99.5
Naproxen Sodium / Напроксен Натрий	20.4	< 0.1	99.5
Triclosan / Триклозан	20.4	< 0.1	99.5

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Petroleum Contaminants in ($\mu\text{g/L}$)			
(бг) Замърсяване с петролни продукти ($\mu\text{g/L}$)			
Gasoline / Бензин	50.1	< 0.5	99.9
Diesel / Дизел	50.5	< 0.5	99.9
Crude Oil / Суров Петрол	50.8	< 0.5	99.9
Kerosene / Керосин	50.6	< 0.5	99.9
Mineral Spirits / Минерален Спирт	50.1	< 0.5	99.9
Refine Oil / Рафинирано Масло	50.3	< 0.5	99.9
Individual Organic Compound			
(бг) Определени органични съединения			
Methylcyclohexane-methane / Метилциклохексан-метан	132 $\mu\text{g/L}$	< 0.5 $\mu\text{g/L}$	99.9
Micro-Organisms			
(бг) Микроорганизми			
Total Coliform / Общо Coliform	Present	Absent	99.9
Fecal Coliform / Фекални Coliform	Present	Absent	99.9
e. Coli	Present	Absent	99.9

Jaime Young

Jaime Young
Lab Director

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