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

TURBIDITY TEST REPORT

Filter Element Berkey PF-2

Report # 15-73-PF-2
Report Date: 05/05/2015
Customer Name: New Millennium Concepts, LTD.
Site Address: PO Box 201411, Arlington, TX 76006
Date Sampled: 04/30/2015

Priming Procedure:

With the blue cap in place, the filter element was washed with mild dish soap.
With clean hands, the blue caps were removed from both ends of the PF-2 element.
With the rubber-priming button in place, the PF-2 was aligned with the hole of the PF-2 hole.
The priming button was pressed against the sink faucet to create a seal.
While holding the priming button against the faucet, the PF-2 element was flushed with cold tap water, until the discharge water was clear.
The PF-2 element was turned in the opposite direction repeating all the steps above.
The Filters were installed and the flushing procedure was repeated after each cycle. A total of 3 cycles were performed and the flushing time until the water was coming clear was recorded and report in the Table below.

Installation Procedure:

Two Berkey Black elements were primed following the same procedure described for the PF-2 elements above.
The two Black Berkey elements were installed inside the Berkey top chamber of the filtration system.
With the water flow arrow pointing away from the upper chamber, the PF-2 elements were screwed into the stems of each Black Berkey element underneath of the chamber.
The top chamber was set up over the bottom reservoir ready for testing.

Test Procedure:

The top chamber was filled with cold tap water (first cycle). The water was collected and tested.
The bottom reservoir was emptied out; rinsed with DI water and set up to collect a second cycle.
The PF-2 cartridges were removed and prime following the procedure described above. The top chamber was filled a second time, the water was collected and tested.
The bottom reservoir was emptied out; rinsed with DI water and set up to collect a third cycle.
The PF-2 cartridges were removed and prime following the procedure described above. The top chamber was filled a third time, the water was collected and tested.
The test results are summarized in the Table below.

Parameter Tested	Filtered Water 1st cycle	Filtered Water 2nd cycle	Filtered Water 3rd cycle	EPA Maximum Contaminant Level (MCL)
Turbidity	2.8 NTU	1.9 NTU	0.7 NTU	<1 NTU
Aluminum	50 µg/L	42 µg/L	40 µg/L	200 µg/L
Flushing Time (one direction)	25 seconds	25 seconds	15 seconds	Not applicable
Flushing Time (opposite direction)	15 seconds	10 seconds	10 seconds	Not applicable

Jaime A. Young
Jaime A. Young
Lab Director