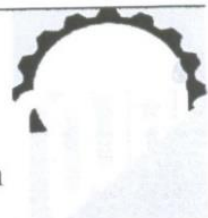


The Republic of South Sudan  
 Ministry of Water Resources and Irrigation  
 Directorate of Water Resources Management and Coordination  
 Central Laboratory for Water Quality



H.E the Minister,  
 Ministry of water Resources and Irrigation

Dated: 10<sup>th</sup> August 2012

**Subjected: Efficiency of Tulip home water filter**


The laboratory staffs collected raw water from Nyakuron Khor Lobulet, on the 9<sup>th</sup> August 2012 tested and the results are as follows:

S/N <sup>o</sup>	Targeted parameter	Raw water	Filtered water	South Sudan GV	Remark
1-	Appearance	Red dirty	clear	acceptable	
2-	PH	7.7	9.6	6.5 – 8.5	Above the rang
3-	Temperature ( C <sup>o</sup> )	25C <sup>o</sup>	25C <sup>o</sup>	Room temp	acceptable
4-	Total dissolve solids TDS (ppm)	270	569	≤ 1000	acceptable
5-	Electrical conductivity EC (μS/cm )	590	1241	1500	acceptable
6-	Turbidity NTU	444	33	≤ 5.0	High efficiency
7-	Fecal coli form / 100ml	84	0	0	confirmed
8-	Total Coli form / 100ml	149	0	< 10	confirmed

NB: Raw water should be made to settle before filtering, however the life span of the ceramic 7000 liters is short, the device should be supplied with extra ceramic and it is not intended for solving long term water quality problems.

**Comment:**

As per the test results Tulip home water filter is effective to remove microorganisms, color, turbidity, and total dissolved solids added value it is easy to operate. Therefore, we recommend its used in homes, camps, rural areas and during outbreak.

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