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ቀን/ Date 12/04/2004

To whom it may concern

Tulip water Filter is the device that used to treat water from a company named Tulip Addis water Filter. When it is tasted in our Laboratory it is purified the water that comes from Afar region. In the first time the water has bacteria, high concentration of cat ions anions and very saline water but after treatment by the Tulip water filter the water is 100% free from bacteria, makes the water more soft & potable and highly decreases the concentration of cat ions anions so that the water can easily used for drinking purpose. It is recommended that this Tulip water filter should used for house hold water treatment for drinking purpose. The laboratory results are attached on the attached paper.

With regards

A handwritten signature in black ink, appearing to read 'Abadi Romha'.

Abadi Romha



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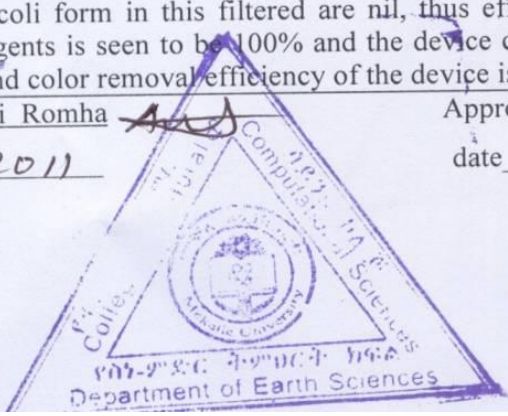
Geo chemistry Laboratory Analytical Result Submission form

SELECTED PHYSIO CHEMICAL ANALYSI RESULTS			
Client/project Tulip Addis Water Filter			
SOURCE OF SAMPLE	From Afar region		WHO maximum allowable Concentration (mg/l)
DATE OF COLLECTION	09/11/2011		
DATE RECEIVED	15/11/2011		
CLIENTS ID.NO.	Raw water from Afar	Filtered water (Tulip)	
LAB.ID,NO	021/2004	022/2004	
Total Hardness (mg/l Ca CO ₃)	4245.8	523	392
T. Dissolved Solid	8215.04	725	1776
Electrical Conductivity (µS/Cm)	11520	898	
p ^H	6.60	7.54	6.5-8.5
Ammonia (mg/l NH ₃)	0.02	0.001	2
Sodium (mg/l Na)	725	28	358
Potassium (mg/l K)	4.29	0.98	12
Calcium (mg/l Ca)	1650	180	200
Magnesium (mg/l Mg)	29	22	150
Total Iron (mg/l Fe)	1.0	0.00	0.4
Manganese (mg/L Mn)	0.23	0.00	0.8
Chloride (mg/L Cl)	1112	28	5.33
Nitrate (mg/l NO ₃)	12.72	11.2	50
Chormium (mg/l Cr)	0.00	0.00	0.003-0.05
Copper (mg/l Cu)	1.21	0.89	5
Nitrite (mg/l NO ₂)	0.06	0.05	6
Alkalinity (mg/l CaCO ₃)	90	280	-
Carbonate (mg/l CaCO ₃)	0.02	0.32	
Bicarbonate(mg/l HCO ₃)	109.756	102.5	
Sulfate (mg/l SO ₄)	469.2	168	
Phosphate (mg/l PO ₄)	0.002	0.00	483
Total Coliform per 1ml	4	0	
E.coil	5	0	
True color (Chromaticity)	25TCU	11	22TCU
Odur	No odor	No odor	No odor
Taste	Not un Pleasant	Not un Pleasant	Not Pleasant
Turbidity	8NTU	5NTU	7 NTU

REMARK: The sample was collected and submitted to our laboratory by our staff from Afar region. Bacteriological Examination of water filtered with this kit shows good results where both total faecal coli form in this filtered are nil, thus efficiency of the filter in removal of disease causing agents is seen to be 100% and the device can be used as efficient home water filter. Turbidity and color removal efficiency of the device is excellent.

Checked by: Abadi Romha
date 23/12/2011

Approved by: _____
date _____



Handwritten signature and stamp: ሰላሞን ገ/ሰገራ (PhD)
Soleman G. Selam (PhD)
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