

## TEST REPORT ON WATER QUALITY OF WATER PURIFIER

Report No : 06-25

Manufacture Company : TaeyoungE&T Co.,Ltd

Applicant Name : Yoon, Tae-Young

Products Name : RETIN

Purification Type : Filtering

Request Date : June. 22. 2006

Representative : Yoon, Tae-Young

Applicant Address : 15-2, Pyeongsan-ri, Woongsang  
-eub ,Yangsan-si, Gyeongnam, Korea.

Model Name : TY-2505

Production Date : June. 20. 2006

Test Completion Date : July. 24. 2006

Test Item	Unit	Drinking Water Standard	In-Flow Conc.	Out-Flow Conc.	Test Conditions
Pb	mg/ℓ	below 0.05	Not detected	Not detected	Water Temp. : 18℃  Water Press. : 1.0 kgf/cm <sup>2</sup>
F	"	below 1.5	Not detected	Not detected	
As	"	below 0.05	Not detected	Not detected	
Se	"	below 0.01	Not detected	Not detected	
Hg	"	below 0.001	Not detected	Not detected	
CN	"	below 0.01	Not detected	Not detected	
Cr <sup>6+</sup>	"	below 0.05	Not detected	Not detected	
NH <sub>3</sub> -N	"	below 0.5	Not detected	Not detected	
NO <sub>3</sub> -N	"	below 10	1.6	0.7	
Cd	"	below 0.005	Not detected	Not detected	
B	"	below 0.3	Not detected	Not detected	
Phenol	"	below 0.005	Not detected	Not detected	
1,1,1-Trichloroethane	"	below 0.1	Not detected	Not detected	
Tetrachloroethylene	"	below 0.01	Not detected	Not detected	
Trichloroethylene	"	below 0.03	Not detected	Not detected	
Dichloromethane	"	below 0.02	Not detected	Not detected	
Benzene	"	below 0.01	Not detected	Not detected	
Toluene	"	below 0.7	Not detected	Not detected	
Ethyl Benzene	"	below 0.3	Not detected	Not detected	
Xylene	"	below 0.5	Not detected	Not detected	
1,1-Dichloroethylene	"	below 0.03	Not detected	Not detected	

Test Item	Unit	Drinking Water Standard	In-Flow Conc.	Out-Flow Conc.	Test Conditions
Tetrachlorocarbon	mg/ℓ	below 0.002	Not detected	Not detected	Water Temp. : 18℃  Water Press. : 1.0 kgf/cm <sup>2</sup>
Diazinon	"	below 0.02	Not detected	Not detected	
Parathion	"	below 0.06	Not detected	Not detected	
Fenitrothion	"	below 0.04	Not detected	Not detected	
Carbaryl	"	below 0.07	Not detected	Not detected	
1,2-Dibromo-3-chloropropane	"	below 0.003	Not detected	Not detected	
Total trihalomethane	"	below 0.1	0.030	Not detected	
Chloral hydrate	"	below 0.03	0.0108	Not detected	
Dibromoacetonitrile	"	below 0.1	0.0036	Not detected	
Dichloroacetonitrile	"	below 0.09	Not detected	Not detected	
Trichloroacetonitrile	"	below 0.004	Not detected	Not detected	
Haloacetic acid	"	below 0.1	0.0199	Not detected	
General Bacteria	CFU/mℓ	below 100	Tap Water	Not detected	
Total Coliform	-	negative	Tap Water	Not detected	
Hardness	mg/ℓ	below 300	Tap Water	51	
KMnO <sub>4</sub> Consumed	"	below 10	Tap Water	0.6	
Cu	"	below 1.0	Tap Water	Not detected	
Surfactant(Anion)	"	below 0.5	Tap Water	Not detected	
pH	-	5.8-8.5	Tap Water	7.6	
Zn	"	below 1.0	Tap Water	Not detected	
Cl	"	below 250	Tap Water	11	
Total Solid	"	below 500	Tap Water	100	
Fe	"	below 0.3	Tap Water	Not detected	
Mn	"	below 0.3	Tap Water	Not detected	
SO <sub>4</sub> <sup>2-</sup>	"	below 200	Tap Water	7	
Al	"	below 0.2	Tap Water	0.05	
Decision	This product has passed in forty-seven items for drinking water test				
Purpose	Quality Review				

It is certified that this results are the water purification ability test of the product.

JULY. 24. 2006.

INSTITUTE OF GLOBAL ENVIRONMENT, KYUNG-HEE UNIVERSITY

