

# Environmental Monitoring Service

Testing and research laboratory for water, soil and food products

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## Test Report

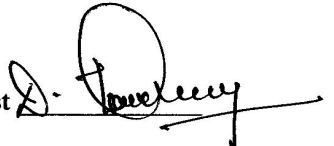
Customer name: Spring water  
Nature of sample: Water  
Sample ID: Khordha village, Odisa

Sample received: 29/08/17  
Analysis completed: 30/08/17  
Sample collected: by customer  
Lab ID: 360

**Raw water was treated by community water treatment systems AuroPure (SuperFloc)**

### Physical Chemical Parameters

Sl. No.	Parameters	Units	Results		Drinking Water Standard (IS : 10500 - 2012)	
			Raw water	Treated Water	Desirable limit mg/l	Permissible limit in the absence of alternate sources
1.	pH (at 25°C )		6.6	6.2	6.5 – 8.5	No relaxation
2.	EC (at 25° C )	µS/cm	175	206	-	-
3.	TDS (at 103° C )	mg/l	118	137	500	2000
4.	Colour	HU	< 5.0	< 5.0	5	25
5.	Turbidity	NTU	0.2	0.2	5	10
6.	Odour		Unobjectionable	Unobjectionable	Unobjectionable	-
7.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	60	70	300	600
8.	Calcium (as Ca)	mg/l	20	16	75	200
9.	Magnesium (as Mg)	mg/l	2.0	7.0	30	100
10.	Chlorides (as Cl)	mg/l	8.0	18	250	1000
11.	Nitrate (as NO <sub>3</sub> )	mg/l	7.6	1.5	45	No relaxation
12.	Sulphate (as SO <sub>4</sub> )	mg/l	17	20	200	400
13.	Fluoride (as F)	mg/l	0.65	0.17	1.0	1.5
14.	Total Iron (as Fe)	mg/l	0.16	< 0.05	0.3	No relaxation
15.	Chlorine dioxide	mg/l	< 0.1	0.5	-	-
16.	Total coliforms	N/100 ml	240	0	0	No relaxation
17.	E. coli	N/100 ml	0	0	0	No relaxation
18.	Aerobic Microbial count	N/ml	92	0	-	-

Analyst 

Lab executive 