

Regional Advance Water Testing Laboratory (RAWTL), Phase - 2, SAS Nagar

ID No.	'TWESWTL/1819/00003'	Dated	16/06/2018
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TEST REPORT

Sample Registration No. : 'TWESWTL/1819/00003'

Issued To :

SAMPLE PARTICULARS

Ref. Letter No.

123/DEF

Date of Receipt

16/06/2018

Name / Nature of Sample

Water

Condition of the sample

Sealed Samples

Qty/Pkg

500/ Transparent Plastic Bottle

Sampling Method

Sample not drawn by RAWTL

Test Start Date

2018-06-15 00:00:00

Test Completion Date

16/06/2018

Er. Veenakshi Sharma  
(Director (WQ)-cum-Quality Manager)  
Authorized Signatory  
For Regional Advance Water Testing Lab

- Note :
- 1. The enclosed results pertain only to the sample tested.
  - 2. The report shall not be used for advertising or any legal purpose without written permission from the Head, DWSS.
  - 3. This report cannot be re-produced, except when in full,without the written permission from the Head, DWSS.
  - 4. The sample shall be destroyed after one month from the date of issue of the report.

ID No.	sample_number='TWESWTL/1819/00003'
Dated	16/06/2018

Sample Registration No. : sample\_number='TWESWTL/1819/00003'

Test Results						
Radioactive Elements						
Sr. No.	Parameter	Permissible Limit (microgram per liter)	Method Detection Limit (MDL) (microgram per liter)		Result	Standard/ Specification/ Method Followed
1.	*Uranium (U)	60	5		As per Annexure Attached	APHA-3125B - By ICPMS
Heavy Metals (As per IS 10500:2012)						
Sr. No.	Parameter	Acceptable Limit mg/l	Permissible Limit mg/l	Method Detection Limit (MDL) (mg/l)	Result	Standard/ Specification/ Method Followed
1.	Aluminum (Al)	0.03	0.2	0.01	As per Annexure Attached	APHA-3125B - By ICPMS
2.	Chromium (Cr)	0.05	No Relaxation	0.005		
3.	Iron (Fe)	1.0	No Relaxation	0.01		
4.	Nickel (Ni)	0.02	No Relaxation	0.005		
5.	Mercury (Hg)	0.001	No Relaxation	0.0005		
6.	Arsenic (As)	0.01	No Relaxation	0.005		
7.	Selenium (Se)	0.01	No Relaxation	0.005		
8.	Cadmium (Cd)	0.003	No Relaxation	0.001		
9.	Lead (Pb)	0.01	No Relaxation	0.005		
10.	Copper (Cu)	0.05	1.5	0.010		
Anions						
Sr. No.	Parameter	Acceptable Limit mg/l	Permissible Limit mg/l	Method Detection Limit (MDL) (mg/l)	Result	Standard/ Specification/ Method Followed
1.	Fluoride (F)	1.0	1.5	0.5	As per Annexure Attached	APHA-4110 - By IC
2.	Chloride (Cl)	250	1000	0.5		
3.	Nitrate (NO3)	45	No Relaxation	0.5		
4.	Sulphate (SO4)	200	400	0.5		
Cations						
Sr. No.	Parameter	Acceptable Limit mg/l	Permissible Limit mg/l	Method Detection Limit (MDL) (mg/l)	Result	Standard/ Specification/ Method Followed
1.	Calcium (Ca)	75	200	1.0	As per Annexure Attached	ISO 14911
2.	Magnesium (Mg)	30	100	1.0		
Note 1 :	ppb : parts per billion		mg/l : milligram per liter		MDL : method detection limit	
	APHA : American Public Health Association				BDL : Below Detection Limit	
Note 2 :	The parameters marked with an * are not accredited by NABL.					

Deputy Quality Manager

Authorized Signatory

Sr.No.	Registratio n No.	Division	Block	Name of Village	Sample Receipt date	Source	Color	Turbidity	Ph-Value	TDS	Hardness	Alkalinity	Aluminum	Lead	Selenium	Chromiu m	Mercury	Arsenic	Cadmium	Nickel	Iron	Copper	*Uranium	Fluoride	Chloride	Nitrate	Sulphate	Calcium	Magnesi um
As per IS 10500 2012 (Rev 2) Requirement (Acceptable Limit - Permissible Limit) mg/l							(limit 5- 15)	(limit 1-5)	(limit 6.5–8.5-	(limit 500- 2000)	(limit 200- 600)	(limit 200- 600)	(limit 0.03- 0.2)	(limit 0.01- NR)	(limit 0.01- NR)	(limit 0.05- NR)	(limit 0.001- NR)	(limit 0.01- NR)	(limit 0.003- NR)	(limit 0.02- NR)	(limit 1.0- NR)	(limit 0.05- 1.5)	Not Applicabl e	(limit 1.0- 1.5)	(limit 250- 1000)	(limit 45- NR)	(limit 200- 400)	(limit 75- 200)	(limit 30- 100)
As per WHO limit													Not Applicable										(limit 30 g/l)	Not Applicable					
As per AERB limit													Not Applicable										(limit 60 g/l)	Not Applicable					
Method detection limit (mg/L)													0.01	0.005	0.005	0.005	0.001	0.005	0.001	0.005	0.010	0.010	5 g/l	0.5	0.5	0.5	0.5	1.0	1.0
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	TWESWTL/1 819/00003	Amritsar,Div-1	Ajnala	Abadi Chandigarh	16-Jun-2018	48		2	4		300	300			0.001	0.01		0.001	0.002		0.5	1		1.2	400	43	300	100	34