

Post Graduate Government College for Girls, Sector 42, Chandigarh

Affiliated to Panjab University, Chandigarh

NAAC Accredited 'A' Grade (CGPA - 3.21) AISHE Code : C-29391

Internal Quality Assurance Cell (IQAC)



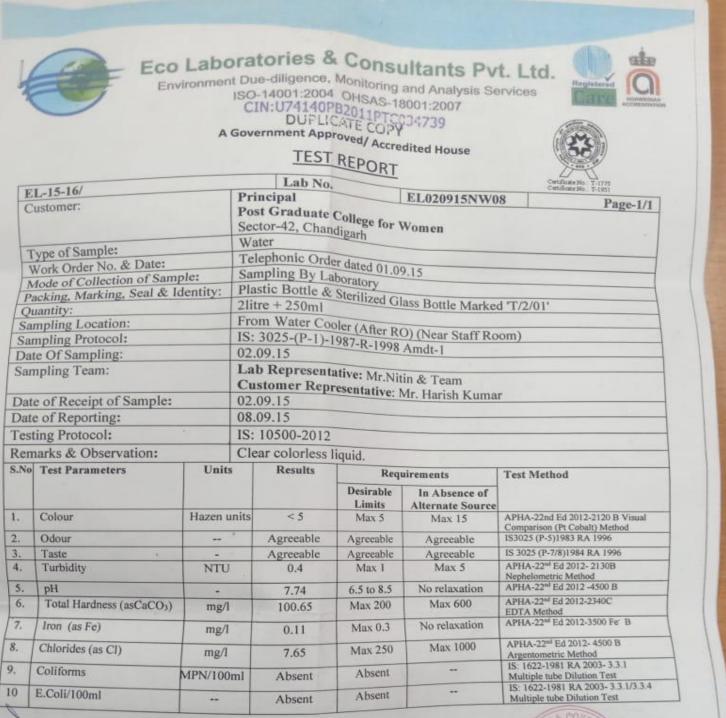
Prof. Lakhvir Singh **IQAC** Coordinator

Prof. Nisha Aggarwal Principal









Technical Manager III/IV







Eco Laboratories & Consultants Pvt. Ltd.



Environment Due-diligence, Monitoring and Analysis Services ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

A Government Approved/Accredited Test House

TEST REPORT

Test Report No. EL170816RD003						Page-1/		
Cust	omer		Principal Post Graduate College for Women Sector-42, Chandigarh					
Work	Order No. & Date		Telephonic Ord	er				
Туре	of Sample		Water					
Mode	e of Collection of Sample		Sample provid	ed by Custome	er			
Date	Of Sampling							
Sam	pling Location							
Sam	pling Protocol							
Packing, Marking, Seal & Quantity			Plastic Bottle & Glass Bottle Marked '3rd Floor' 2litre + 250ml					
Date	of Receipt of Sample		17/08/2016					
Perio	d of Analysis		17/08/2016 to 20/08/2016					
Date	of Reporting		20/08/2016					
Testi	ng Protocol		IS 10500 (2012)					
Sam	ple Observation		Clear colourless	liquid				
S.No	Test Parameters	Units	Results	R	equirements	Test Method		
				Acceptable Limits	Permissible Limit In Absence of Alternate Source			
1	Total Dissolved Solids	mg/L	235	500	2000	APHA-22 nd Ed 2012- 2540C		
2	Total Hardness (asCaCO ₃)	mg/l	152	200	600	APHA-22nd Ed 2012-2340C		
3	Coliforms	MPN/100ml	<2	Absent	-	IS: 1622-1981 RA 2003- 3.3.1		
4	E.Coli/100ml	MPN/100ml	<2	Absent		IS: 1622-1981 RA 2003- 3.3.1/3.3.4		

Remarks (if any)

Lab Incharge

End of Report

For Eco Laboratories & Consultants Pvt. Ltd. Authorized Signator





Environment Due-diligence, Monitoring and Analysis Services ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

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TEST REPORT

	Report No. EL170816RD0	02				Page-1/
Customer			Principal Post Graduate (Sector-42, Char		nen	
Work	Order No. & Date		Telephonic Orde	er		
Туре	of Sample		Water			
Mode	of Collection of Sample		Sample provide	ed by Custome	r	
Date (Of Sampling					
Samp	ling Location					
Samp	ling Protocol					
Packir	ng, Marking, Seal & Quantin	ty	Plastic Bottle &	Glass Bottle Ma	rked 'Hostel' 2litre + 250	ml
Date o	of Receipt of Sample		17/08/2016			
	of Analysis		17/08/2016 to 20	0/08/2016		
	of Reporting		20/08/2016			
	g Protocol		IS 10500 (2012)			
Samp	le Observation		Clear colourless	liquid		
S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	Permissible Limit In Absence of Alternate Source	
1.	Colour	Hazen unit	s < 5	5	15	APHA-22 nd Ed 2012-2120 B
2.	Odour		Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002
3	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-7/8)1984 RA 2006
4	Turbidity	NTU	<0.1	1	5	APHA-22 nd Ed 2012- 2130B
5	pН		7.82	6.5 to 8.5	No relaxation	APHA-22 nd Ed 2012 -4500 B
6	Total Dissolved Solids	mg/L	228	500	2000	APHA-22nd Ed 2012- 2540C
7	Total Hardness (asCaCO ₃)	mg/l	142	200	600	APHA-22nd Ed 2012-2340C
в	Iron (as Fe)	mg/l	<0.1	0.3	No relaxation	APHA-22 nd Ed 2012-3500 Fe ⁻ B
9	Chlorides (as Cl)	mg/l	10	250	1000	APHA-22nd Ed 2012- 4500 B
10	Alkalinity as CaCO3	mg/l	82	200	600	APHA-22 nd Ed 20122320 B
11	Sulphate as SO4	mg/l	17	200	400	APHA-22 nd Ed 2012- 4500E
12	Nitrate as NO3	mg/l	<1	45	No relaxation	APHA-22 nd Ed 2012-4500 B
13	Calcium as Ca	mg/l	34	75	200	APHA-22 nd Ed 2012-3500B
4	Magnesium as Mg	mg/l	14	30	100	APHA-22 nd Ed 2012-3500-Mg B
15	Flouride as F	mg/l	0.37	1.0	1.5	APHA-22 nd Ed 2012-4500 D
16	Coliforms	MPN/100m	<2	Absent		IS: 1622-1981 RA 2003- 3.3.1
17	E.Coli/100ml	MPN/100m	<2	Absent		IS: 1622-1981 RA 2003- 3.3.1/3.3.4

Remarks (if any)

End of Report

Lab Incharge





Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPGB / BIS approved Laboratory ISO - 9001 : 2015. 14001 : 2015 OHSAS-18001:2007 CIN : U74140PB2011PTC034739 DUPLICATE COP



TEST REPORT

-	40.471		Lab N	<u>.</u>	EC220317W01/A	Date 11
EL-16-17/ Customer: Type of Sample:			Principal Post Graduate Sector-42, Cha	College for Wo ndigarh	omen	Page-1/1
			Water			
19	ork Order No. & Date:		Telephonic Ord	er koraterti		
W	ode of Collection of Sample:	8	Sampling By La	Donatory	P. 111	
M	acking, Marking, Seal & Ident			Stenizeo Giast	8 Bottle Marked '01'	
			2litre + 250ml			
G	uantity:		From Water Co	oler		
50	mpling Location:		22.03.2017			
Da	te Of Sampling. mpling Protocol:		S: 3025-(P-1)-1	1987-R-1996 Ar	ndt-1	
Dat	e of Receipt of Sample:	1	22.03.2017			
	e of Reporting:	3	27.03.2017			
	ing Protocol:		S: 10500-2012			
		2	Colorless liquid.			
	arks & Observation:					
,Nid	Tost Paramoters	Units	Results		oquirements	Test Method
				Acceptable Limits	In Absence of Alternate Source	
-	Colour	Hazen units	<5	5	15	APHA-22nd Ed 2012-2120 B
	Odour		Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002
	Turbidity	NTU	<0.1	1	5	APHA-22** Ed 2012- 2130B
	pH	-	7.78	6.5 to 8.5	No relaxation	APHA-22** Ed 2012 -4500 B
	Total Dissolved Solids	mg/L	240	500	2000	APHA-22nd Ed 2012- 2540C
1	Total Hardness (asCaCO ₃)	figm	198	200	600	APHA-22 nd Ed 2012-2340C
T	Iron (as Fe)	mg/l	0.27	0.3	No relaxation	APHA-22 rd Ed 2012-3500 Fe' B
5	Chlorides (as C0	ng/l	21	250	1000	APHA-22 rd Ed 2012- 4500 B
	Alkalinity as CaCO3	mg/l	156	200	600	APHA-22nd Ed 2012-2320 B
10	Sulphate as SO4	hpm	22	200	400	APHA-22nd Ed 2012- 4500E
11	Nitrate as NO3	ngri	2	45	No relaxation	APHA-22nd Ed 2012-4500 B
12	Caldum as Ca	mg1	55	75	200	APHA-22nd Ed 2012-35008
13	Magnesium as Mg	mg/l	16	30	100	APHA-22nd Ed 2012-3500-Mg B
14	Flouride as F	mg/l	0.42	1.0	1.5	APHA-22nd Ed 2012-4500 D
	Califorms	MPN/100ml	4	Absent	+	15: 1622-1981 RA 2003- 3.3.1
15						IS: 1622-1961 RA 2003- 3.3.1/3.3.

End of Report

For Eco Laboratories & Consultante But Ltd

Authorized Signatory

Lab Mcharge



NABL / MOEF / PPCB / HSPGB / BIS approved Laboratory-ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007



CIN : U74140PB2011PTC034739

DUPLICATE COPY V TEST REPORT

EL-	16-17/		Lab	No						
Cus	tomer:		Principal		EC170717W01/A					
	warman and a second		Post Graduate College for Women Page-1/1 Sector-42, Chandigarh Page-1/1							
Тур	e of Sample:		Water Yage-1/1							
Wo	Work Order No. & Date:		Telephonic Order							
Mo	de of Collection of Sample:		Sampling Du	and the second se						
Pa	cking, Marking, Seal & Identil	tγ:	Plastic Bottle	R Share	s Bottle Marked '01'					
_	antity:		2litre + 250mi	a sternized Glass	s Bottle Marked Var					
	mpling Location:		After Filtration	4104	manad 01					
Dat	e Of Sampling:		17.07.2017							
	spling Protocol:		IS: 3025-(P-1)	-1987-R-1998 A						
	of Receipt of Sample;		17.07.2017	1007-IC-1998 A	mdt-1					
Date	of Reporting:		22.07.2017							
est	ing Protocol:	-	IS: 10500-201	9						
Rem	arks & Observation:		Coloriess liqui							
	Test Parameters	Ilalia	the second se	a.						
	est Parameters Units		Results	R	Requirements					
				Acceptable	In Absence of Alternate	Test Method				
	Colour	Hazen unit	5 < 5	Limits	Source					
÷	Odour		Agrecable	5 Agreeable	15	APHA-22nd Ed 2012-2120 B				
	Taste		Agreeable	a contra	Agreeable	IS3025 (P-5)1983 RA 2002				
	Turbidity	NTU	<0.1	- Greeneng	Agreeable	IS 3025 (P-7/8)1984 RA 2006				
	pH		7.26	1	5	APHA-22** Ed 2012- 2130B				
1	Total Dissolved Solids	mail		6.5 to 8.5	No relaxation	APHA-22 rd Ed 2012 -4500 B				
1	Total Hardness (asCaCO ₁)	mg/L	238	500	2000	APHA-22nd Ed 2012-2540C				
8	Iron (as Fe)	mgri	190	200	600	APHA-22 rd Ed 2012-2340C				
9	Chlorides (as Cl)	ng/l mg/l	0.12	0.3	No relaxation	APNA 22012-2340C				
10	Alkalinity as CaCO3		14	250	1000	APHA-22 rd Ed 2012-3500 Fe' B APHA-22 rd Ed 2012- 4500 B				
11	Sulphate as SO4	Ingn Ingn	150	200	600	APHA-22nd Ed 2012-2320 B				
12	Nitrate as NO3	mgil		200	400	APHA-22nd Ed 2012- 4500E				
13	Calcium as Ca		1.5	45	No relaxation	APHA-22nd Ed 2012-4500 B				
14	Magnesium as Mg	ng1	51	75	200	APHA-22nd Ed 2012-35008				
15	Flouride as F	mg/l	15	30	100	APHA-22nd Ed 2012-3500-Mg B				
16	Coliforms	mgri	0.4	1.0	1.5	APHA-22nd Ed 2012-4500 D				
17	E.Col/100ml	MPN/100m	D	Absent		IS: 1622-1981 RA 2003- 3.3.1				
44.	2.000100ml	MPN/100m	ni <2*	Absent		IS: 1622-1981 RA 2003-3.3.1/3.3.4				

Remarks (if any) *<2 is minimum detection limit as per IS 1622 method and is equal to absent

End of Report

Lab Incharge

For Eco Laboratories & Consultants PyL,Ltd

Authorized Signatory



Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007 CIN : U74140PB2011PTC034739 DUPLICATE COPY



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TECT DEDOOR

TEST REPORT

			Lab No),	EC210818W01					
EL	EL-16-17/ Customer		Principal Post Graduate Sector-42, Chan Water	College for Wor digarh		Page-1/1				
-	/pe of Sample:		Telephonic Order							
	and the block 130000-		Sampling By La	Sampling By Laboratory						
			Plastic Bottle &	Sterilized Glass	Bottle Marked '01'					
M	lode of Collection of Collecti	ty:	2litre + 250ml	Contraction (Contraction)	ootee Marked '01'					
HP.	uantity.		After Cooler							
Sa	mpling Location:		21.08.2018							
130	te Of Sampling:		IS: 3025-(P-1)-1	987-R-1998 Am	41.1					
Sat	noling Protocol:		21.08.2018		ar.i					
Dat	e of Receipt of Sample:		25.08.2018							
	e of Reporting:		IS: 10500-2012							
	ing Protocol:									
Rem	arks & Observation:		Colorless liquid							
No Test Parameters		Units	Results	R	equirements	Test Method				
				Acceptable Limits	In Absence of Alternate Source					
10	Colour	Hazen uni	and the second s	5	15	APHA-22nd Ed 2012-2120 B				
ie i	Odour		Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002				
60 65	Turbidity	NTU	< 0,1	1	5	APHA-22* Ed 2012- 2130B				
4	pH	**	7.95	6.5 to 8.5	No relaxation	APHA-22 ^M Ed 2012 -4500 B				
	Total Dissolved Solids	mg/L	200	500	2000	APHA-22nd Ed 2012-2540C				
5	Total Hardness (asCaCO1)	mg/l	176	200	600	APHA-22 nd Ed 2012-2340C				
7	Iron (as Fe)	mg/l	0.13	0.3	No relaxation	APHA-22 ^{rel} Ed 2012-3500 Fer B				
8	Chilorides (as Cl)	mg/l	12	250	1000	APHA-22 ^M Ed 2012- 4500 B				
9	Alkalinity as CaCO3	mg/l	145	200	600	APHA-22nd Ed 2012-2320 B				
10	Sulphate as SO4	mg/l	30	200	400	APHA-22nd Ed 2012-4500E				
11		mgA	2.3	45	No relaxation	APHA-22nd Ed 2012-4500 B				
12	Calcium as Ca	mg/l	47	75	200	APHA-22nd Ed 2012-3500B				
13	Magnesium as Mg	mg/l	15	30	100	APHA-22nd Ed 2012-3500-Mg B				
14	Flouride as F	mg/l	0.51	1.0	1.5	APHA-22nd Ed 2012-4500 D				
15	Coliforms	MPN/100	mi 6	Absent	-	IS: 1622-1981 RA 2003-3.3.1				
16	E.Coli/100ml	MPN/100	ni 3	Absent		IS: 1622-1981 RA 2003- 3.3.1/3.				

End of Report

For Eco Laboratories & Consultants Put. Ltd.

Authorized Signatory

Lab Incharge



Eco Laboratories & Consultants Pvt. Ltd. NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory-ISO - 9001 : 2015, 14001 : 2015 OHSAS-18001:2007 CIN : U74140PB2011PTC034739 DUPLICATE COPY



TEST REPORT

EL-1	6-17/		Lab No						
Cust	iomer.		Principal Post Graduate Sector-42, Chan	College for Wo	EL110918EW001	Page-1/1			
Type	Type of Sample:		AAgret						
Wor	k Order No. & Date:		Telephonic Orde	ar					
Mod	te of Collection of Sample:		Sampling By Lak	in real and					
Pac	king, Marking, Seal & Identit	y:	Plastic Bottle & s	Sterilized Glass	Bottie Marked '01'				
	intity:				Bothe Marked '01'				
	pling Location		From Water Cod	oler					
Date	Of Sampling:		11/09/2018						
	pling Protocol:		IS: 3025-(P-1)-1	987-R-1998 Am	ndt.1				
Date	of Receipt of Sample:		11/09/2018		at 1				
Date	of Reporting:		15/09/2018						
_	ng Protocol:		IS: 10500-2012						
C.F. C.F.									
Rem	arks & Observation:		Colorless liquid.						
5.No	Test Parameters	Units	Results	R	equirements	Test Method			
		_		Acceptable Limits	In Absence of Alternate Source				
1.	Colour	Hazen units		5	15	APHA-23" Ed 2017-2120 B			
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 2002			
3	Turbidity	NTU	< 0.1	1	5	APHA-23rd Ed 2017- 21308			
4	pH		7.8	6.5 to 8.5	No relaxation	APHA-23/4 Ed 2017-4500 B			
5	Total Dissolved Solids	mg/L	190	500	2000	APHA-23" Ed 2017- 2540C			
6	Total Hardness (asCaCO ₃)	mg/l	165	200	600	APHA-23" Ed 2017-2340C			
7	Iron (as Fe)	mg/l	0.08	0.3	No relaxation	APHA-23" Ed 2017-3500 Fer B			
8	Chiorides (as Cl)	mg/l	10	250	1000	APHA-23" Ed 2017- 4500 B			
1	Alkalinity as CaCO3	ng/l	136	200	600	APHA-23 rd Ed 2017-2320 B			
18		mg/l	25	200	400	APHA-23" Ed 2017- 4500E			
100	12 Calcium as Ca	ngñ	2.4	45	No relaxation	APHA-23" Ed 2017-4500 B			
1	13 Magnesium as Mg	Nem	43	75	200	APHA-23" Ed 2017-3500B			
ta	4 Flouride as F	mg/l	13	30	100	APHA-23" Ed 2017-3500-Mg B			
F	5 Coliforms	mg/l	0.42	1.0	1.5	APHA-23" Ed 2017-4500 D			
1.11		MPN/100ml		10000		IS: 1622-1981 RA 2009			
15	E.Coli/100ml	muere toum	<2*	Absent		IS: 1622-1981 RA 2009			

Remarks (if any) "<2 is minimum detection limit as per IS 1622 method and is equal to absent

End of Report

2 Lab Incharge

For Eco Laboratories & Consultants Pyt, Ltd

Authorized Signatory



Eco Laboratories & Consultants Pvt. Ltd.



CIN: U74140PB2011PTC034739

[A Govt. Approved, ISO 9001:2015, 14001 & 45001: 2018 certified & Approved by MOEF, PPCB]

TEST REPORT

ULR No.	NA	Test Report No.	EL130919GW001	
Type of Sample	Drinking Water	Date of Reporting	17/09/2019	
Customer	Post Graduate Government College for Girls	Work Order No. & Date	NA	
	Sec-42, Chandigarh	Customer reference No. (If any)	Telephonic Order	
Sampling Protocol	NA	Mode of Collection of Sample	Sample Provided by Customer	
Date of Sampling	NA	Date of Receipt of Sample	13/09/2019	
Sampling Location	NA	Packing, Markings, Seal & Quantity	2 Plastic Bottles Marked '3 rd Floor' 1 Litre each	
Testing Protocol	IS 10500:2012 & APHA	Period of Analysis	13/09/2019 to 17/09/2019	
Sample Description	Clear, colorless liquid			

TEST RESULTS

I -Chemical Testing

1. Drinking Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit ¹	Test Method
1.	Total Hardness as CaCO ₃	mg/l	156	200	600	APHA-23 rd Ed 2017-2340C
2.	Total Dissolved Solids	mg/l	237	500	2000	APHA-23 rd Ed 2017- 2540C

II - Biological Testing

1. Drinking Water

5. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit ¹	Test Method
1.	Total coliforms	MPN/100ml	<2*	Absent		IS: 1622:1981 RA-2009
2.	E. coli	MPN/100ml	<2*	Absent		IS: 1622:1981 RA-2009
Remark	ks :	Sample compli	es with respe	ect to above test paran	neters only in accordance	ce of IS 10500:2012
OTHER	INFORMATION					
Abbrev	iation :	ULR: Unique La	b Report, NA	A: Not Applicable		
Symbol	ls :				thod which is equal to a	bsent
		¹ Permissible lin	nit in absence	e of alternate source	equal to a	issent.
Terms &	& Conditions :	Please refer ter	ms and cond	ditions on backside of T	est Report (Page-1)	
				**End of Report*	*	
			×			
			7	4		
TA	-l	0	4	for		12)
Checke	d by QA		Simra	anjit Kaur		State St
	4/	A		gnatory-Biological	Auth	Dr. Sandeep Garg orized Signatory-Chemical
Format No.	F/7.8.2-W-01- 02.09.19 Rev 03					Page 1 of 1
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CIN: U74140PB2011PTC034739

[A Govt. Approved, ISO 9001:2015, 14001 & 45001: 2018 certified & Approved by MOEF, PPCB]

TEST REPORT

ULR No.	NA	Test Report No.	EL190819GW001	
Type of Sample	Water	Date of Reporting	21/08/2019	
Customer	Post Graduate Government College for Girls	Work Order No. & Date	NA	
	Sec-42, Chandigarh	Customer reference No. (If any)	Telephonic Order	
Sampling Protocol	NA	Mode of Collection of Sample	Sample Provided by Customer	
Date of Sampling	NA	Date of Receipt of Sample	19/08/2019	
Sampling Location	NA	Packing, Markings, Seal & Quantity	Plastic Bottle Marked 'Academic Block	
Testing Protocol	IS 10500:2012 & APHA	Period of Analysis	19/08/2019 to 21/08/2019	
Sample Description	Clear, colorless liquid.			

TEST RESULTS

I -Chemical Testing

1. Water

5. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit ¹	Test Method
1.	Total Alkalinity as CaCO ₃	mg/l	92	200	600	APHA-23 rd Ed 20172320 B
2.	Colour	Colour Units	BDL(DL 5)	5	15	APHA-23 rd Ed 2017-2120 B
3.	Total Hardness asCaCO ₃	mg/l	150	200	600	APHA-23 rd Ed 2017-2340C
4.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 1983 RA 2017
5.	Total Dissolved Solids	mg/l	238	500	2000	APHA-23 rd Ed 2017- 2540C
6.	Taste	-	Agreeable			IS 3025 (Part-8): 1984 RA 2017
7.	Turbidity	NTU	BDL(DL 0.1)	1	5	APHA-23 rd Ed 2017- 2130B
8.	Chloride as Cl	mg/l	14	250	1000	APHA-23 rd Ed 2017- 4500 B
9.	Fluoride as F	mg/l	0.35	1.0	1.5	APHA-23 rd Ed 2017-4500 D
10.	Nitrate as NO ₃	mg/l	BDL(DL 1)	45	No Relaxation	APHA-23 rd Ed 2017-4500 B
11.	рН	-	7.77	6.5 - 8.5	No Relaxation	APHA-23 rd Ed 2017-4500B
12.	Sulphate as SO4	mg/l	19	200	400	APHA-23 rd Ed 2017- 4500E
13.	Calcium as Ca	mg/l	34	75	200	APHA-23 rd Ed 2017-3500B
14.	Iron as Fe	mg/l	BDL(DL 0.05)	0.3	No relaxation	APHA-23 rd Ed 2017-33500Fe-B
15.	Magnesium as Mg	mg/l	16	30	100	APHA-23 rd Ed 2017-3500-Mg B

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Simranii Kaur Authorized Signatory-Biological

Dr. Rai Singh Authorized Signatory-Chemical Page 1 of 2

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1				
ULR No.	NA	Test Report No.	EL190819GW001	
Type of Sample	Water	Date of Reporting	21/08/2019	

II - Biological Testing

1. Water

S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit ¹	Test Method
16	Total coliforms	MPN/100ml	<2*	Absent		IS: 1622:1981 RA-2009
17	E. coli	MPN/100ml	<2*	Absent		IS: 1622:1981 RA-2009
Remarl OTHER	ks INFORMATION	: Sample compli	es with resp	ect to above test paramet	ers only in accordance of IS	5 10500:2012
Abbrev	iation	: ULR: Unique La	b Report, B	DL: Below Detection Level	; NA: Not Applicable	

- I - I S

ymbo	s		

:

Terms & Conditions

ULR: Unique Lab Report, BDL: Below Detection Level; NA: Not Applicable

*< 2 is minimum detection limit as per IS 1622 method which is equal to absent.</p> ¹Permissible limit in absence of alternate source

: Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

mandeep Kaur, Neha Rehal

Simranjit Kaur Authorized Signatory-Biological

Dr. Rai Singh Authorized Signatory-Chemical

Page 2 of 2

Format No. F/7.8.2-W-01- 15.11.18 Rev 02





CIN: U74140PB2011PTC034739

[A Govt. Approved, ISO 9001:2015, 14001 & 45001: 2018 certified & Approved by MOEF, PPCB]

TEST REPORT

ULR No.	NA	Test Report No.	EL190819GW002	
Type of Sample	Water	Date of Reporting	21/08/2019	
Customer	Post Graduate Government College for Girls	Work Order No. & Date	NA	
	Sec-42, Chandigarh	Customer reference No. (If any)	Telephonic Order	
Sampling Protocol	NA	Mode of Collection of Sample	Sample Provided by Customer	
Date of Sampling	NA	Date of Receipt of Sample	19/08/2019	
Sampling Location	NA	Packing, Markings, Seal & Quantity	Plastic Bottle Marked 'Hostel' 1 Litre	
Testing Protocol	IS 10500:2012 & APHA	Period of Analysis	19/08/2019 to 21/08/2019	
Sample Description	Clear, colorless liquid.			

TEST RESULTS

I -Chemical Testing

1. Water

. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit ¹	Test Method
1.	Total Alkalinity as CaCO ₃	mg/l	84	200	600	APHA-23 rd Ed 20172320 B
2.	Colour	Colour Units	BDL(DL 5)	5	15	APHA-23 rd Ed 2017-2120 B
3.	Total Hardness asCaCO ₃	mg/l	146	200	600	APHA-23 rd Ed 2017-2340C
4.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 1983 RA 2017
5.	Total Dissolved Solids	mg/l	230	500	2000	APHA-23 rd Ed 2017- 2540C
6.	Taste	-	Agreeable			IS 3025 (Part-8): 1984 RA 2017
7.	Turbidity	NTU	BDL(DL 0.1)	1	5	APHA-23 rd Ed 2017- 2130B
8.	Chloride as Cl	mg/l	11	250	1000	APHA-23 rd Ed 2017- 4500 B
9.	Fluoride as F	mg/l	0.40	1.0	1.5	APHA-23 rd Ed 2017-4500 D
10.	Nitrate as NO ₃	mg/l	BDL(DL 1)	45	No Relaxation	APHA-23 rd Ed 2017-4500 B
11.	рН	-	7.85	6.5 - 8.5	No Relaxation	APHA-23 rd Ed 2017-4500B
12.	Sulphate as SO ₄	mg/l	18	200	400	APHA-23 rd Ed 2017- 4500E
13.	Calcium as Ca	mg/l	34	75	200	APHA-23 rd Ed 2017-3500B
14.	Iron as Fe	mg/l	BDL(DL 0.05)	0.3	No relaxation	APHA-23 rd Ed 2017-33500Fe-B
15.	Magnesium as Mg	mg/l	15	30	100	APHA-23 rd Ed 2017-3500-Mg B

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Dr. Rai Singh Authorized Signatory-Chemical Page 1 of 2

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Format No. F/7.8.2-W-01- 15.11.18 Rev 02

ULR No.	NA	Test Report No.	EL190819GW002	
Type of Sample	Water	Date of Reporting	21/08/2019	

II - Biological Testing

1. Dialysis Water

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S. No.	Test Parameter	Units	Results	Acceptable limit	Permissible limit ¹	Test Method
16	Total coliforms	MPN/100ml	<2*	Absent		IS: 1622:1981 RA-2009
17	E. coli	MPN/100ml	<2*	Absent		IS: 1622:1981 RA-2009

Abbreviation Symbols

Terms & Conditions

ULR: Unique Lab Report, BDL: Below Detection Level; NA: Not Applicable *< 2 is minimum detection limit as per IS 1622 method which is equal to absent. ¹Permissible limit in absence of alternate source

: Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

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Eco Laboratories & Consultants Pvt. Ltd.

CIN: U74140PB2011PTC034739

TEST REPORT



	C747721000007183F 'ater (Drinking Water)	Test Report No.: EL221121NW002 Date of Reporting: 29/11/2021		
Customer	Post Graduate Government College for Girls Sector-42, Chandigarh	Work Order No. & Date	EL/PGGCG/TEL/2408 Dt.: 20/11/2021	
		Customer reference No. (If any)	NA	
Sampling Protocol	NA	Mode of Collection of Sample	Sample provided by Customer	
Date of Sampling	-	Date of Receipt of Sample	22/11/2021	
Sampling Location	NA	Testing Location	Permanent Facility	
Testing Protocol	IS 10500:2012 (IInd Revision)	Period of Analysis	22/11/2021 To 29/11/2021	
Sample Description	Clear colourless liquid.			
Packing, Markings, S	Seal & Qty. 2 litre Plastic Bottle Marked 'Post Grad	duate Govt.College for Girls,Sec-42, Ch	andigarh'	

RESULTS

I -Chemical Testing 1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL(DL5)	5	15	APHA-23rd Ed-2120B Visual Comparison (Pt Cobalt) Method
2	Odour .	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-5)
3	pH @ 25°C	-	7.72	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL(DL0.1)	1	5	IS: 3025 (Part-10)
6	Total Dissolved Solids	mg/l	148	500	2000	IS: 3025 (Part-16)
7	Calcium as Ca	mg/l	37	75	200	IS :3025 (Part-40)
8	Chloride as Cl	mg/l	5	250	1000	IS:3025 (Part-32)
9	Fluoride as F	mg/l	0.16	1.0	1.5	IS:3025 (Part-60)
10	Iron as Fe.	mg/l	BDL(DL0.1)	1.0	No relaxation	APHA-23rd Ed -3500Fe-B Phenanthroline Method
11	Magnesium as Mg	mg/l	9	30	100	IS: 3025 (Part-46)
12	Nitrate as NO3	mg/l	3.2	45	No relaxation	APHA-23rd Ed-4500 B UV Screening Method
13	Sulphate as SO4.	mg/l	40	200	400	IS:3025 (Part-24) Cl 4.0- Turbidity Method
14	Total alkalinity as CaCO3.	mg/l	120	200	600	IS: 3025 (Part-23)
15	Total hardness as CaCO3	mg/l	130	200	600	IS:3025(P-21)

hecked by QA

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Page No. 1/2 ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

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ULR No. :	TC747721000007183F	Test Report No. :	EL221121NW002
Type of Sample	: Water (Drinking Water)	Date of Reporting :	29/11/2021

II -Biological Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliform	CFU/100ml	Absent*	Absent	-	IS:15185
2	E.coli.	CFU/100ml	Absent*	Absent	2	IS:15185

Remarks :

*The result might be affected due to collection of sample in plastic bottle

OTHER INFORMATION Abbreviation :

Terms & Conditions :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Checked by QA

Format No. F/7.8.2-W-01-18.06.20 Rev 05

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Tanu Sharma

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CIN: U74140PB2011PTC034739

TEST REPORT





er (Drinking Water)	Test Report No. : Date of Reporting :	EL221121NW001 29/11/2021	
ost Graduate Government College for Girls ector-42, Chandigarh	Work Order No. & Date	EL/PGGCG/TEL/2408 Dt.: 20/11/2021	
	Customer reference No. (If any)	NA	
A	Mode of Collection of Sample	Sample provided by Custome	
	Date of Receipt of Sample	22/11/2021	
A	Testing Location	Permanent Facility	
S 10500:2012 (IInd Revision)	Period of Analysis	22/11/2021 To 29/11/2021	
lear colourless liquid.			
	ost Graduate Government College for Girls ector-42, Chandigarh IA IA 5 10500:2012 (IInd Revision)	ter (Drinking Water) Date of Reporting : Dots Graduate Government College for Girls ector-42, Chandigarh IA IA IA IA IA IA IA I	

RESULTS

I -Chemical Testing

1. Water (Drinking Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour .	Colour Units	BDL(DL5)	5	15	APHA-23rd Ed-2120B Visual Comparison (Pt Cobalt) Method
2	Odour	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-5)
3	pH @'25°C	-	7.68	6.5-8.5	No relaxation	IS:3025 (Part-11)
4	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (Part-8)
5	Turbidity	NTU	BDL(DL0.1)	1	5	IS: 3025 (Part-10)
6	Total Dissolved Solids	mg/l	152	500	2000	IS: 3025 (Part-16)
7	Calcium as Ca	mg/l	36	75	200	IS :3025 (Part-40)
8	Chloride as Cl	mg/l	6.0	250	1000	IS:3025 (Part-32)
9	Fluoride as F	mg/l	0.18	1.0	1.5	IS:3025 (Part-60)
10	Iron as Fe.	mg/l	BDL(DL0.1)	1.0	No relaxation	APHA-23rd Ed -3500Fe-B Phenanthroline Method
11	Magnesium as Mg	mg/l	12	30	100	IS: 3025 (Part-46)
12	Nitrate as NO3	mg/l	3.1	45	No relaxation	APHA-23rd Ed-4500 B UV Screening Method
13	Sulphate as SO4.	mg/l	35	200	400	IS:3025 (Part-24) Cl 4.0- Turbidity Method
14	Total alkalinity as CaCO3.	mg/l	136	200	600	IS: 3025 (Part-23)
15	Total hardness as CaCO3 .	mg/l	140	200	600	IS:3025(P-21)



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ULR No. :	TC747721000007182F	Test Report No. :	EL221121NW001		
Type of Sample : Water (Drinking Water)		Date of Reporting :			

II -Biological Testing

1. Water (Drinking Water)

5.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliform	CFU/100ml	Absent*	Absent	-	IS:15185
2	E.coli.	CFU/100ml	Absent*	Absent		IS:15185

Remarks:

*The result might be affected due to collection of sample in plastic bottle

OTHER INFORMATION

Abbreviation : Terms & Conditions : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Format No. F/7.8.2-W-01-18.06.20 Rev 05

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