EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory

An ISO 9001 : 2015 and OHSAS (ISO 45001 : 2018) Certified Company

No. R7/1, AVK Tower, 2nd Floor, North Main Road, Anna Nagar West Extn. Chennai - 600 101.

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TEST REPORT

Sample Ref No. : EES/W/192/06	Report No. :289/06
Issued To: **M/s. Orchids The International School, S.F. No 10/5, Patharwadi Village, Kundrathur Taluk, Kancheepuram District.**	Report Date :06.06.2026 Page: 1 of 2
Sample Description : Water Sample Drawn By/ Date : Customer/ 05.06.2026 Sample Mark : Drinking Water Discipline : Chemical Testing	Commenced On :05.06.2026 Completed On :06.06.2026

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 24th Edition 2023
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
	Physical Properties					
1	Appearance: When Analyzed After Filtration	-	 Clear Clear	NA	NA	APHA 2110
2	pH value at 25°C	-	7.64	6.5 – 8.5	6.5 – 8.5	APHA 4500 H^+ B
3	Color	CU	1.0	5	15	APHA 2120 B
4	Odor	Qualitative	Agreeable	Agreeable	Agreeable	IS 3025 P.5 1983 R.2018
5	Turbidity	NTU	BLQ (LOQ=0.1)	1	5	APHA 2130 B
6	Electrical conductivity at 25°C	Micromhos/cm	74.0	NA	NA	APHA 2510 B
	Chemical Properties					
7	Total Suspended Solids	mg/l	BLQ (LOQ=1.0)	NA	NA	IS:3025:P.17:1984:R.2017
8	Total Dissolved Solids	mg/l	44.0	500	2000	IS 3025:P.16:1984:R.2017

ELUMALAI.M
Authorised Signatory

NOTE:
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2. This test report shall not be reproduce anywhere except in full and in same format without the Approval of the laboratory
3. Unless informed by the customer the test items will not be retained for more than 10 days from The date of issue of test report (exceptional for Microbiology and wastewater for which retaining time 7 days.)

TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/192/06

Report No. : 289/06
Report Date : 06.06.2026

Sl. No	PARAMETERS	UNITS	RESULTS	As Per IS 10500:2012		PROTOCOL: APHA 24th Edition 2023
				Requirement (Acceptable limit)	Permissible limit in the absence of alternate source	
9	Total Hardness as $CaCO_3$	mg/l	5.0	200	600	APHA 2340 C
10	Calcium Hardness as $CaCO_3$	mg/l	3.0	NA	NA	APHA 3500 - Ca B
11	Magnesium Hardness as $CaCO_3$	mg/l	2.0	NA	NA	APHA 3500 – Mg^{2+} B
12	Calcium as Ca	mg/l	1.20	75	200	APHA 3500 - Ca B
13	Magnesium as Mg	mg/l	0.49	30	100	APHA 3500 – Mg^{2+} B
14	Phenolphthalein Alkalinity as $CaCO_3$	mg/l	NIL	NA	NA	APHA 2320 B
15	Total Alkalinity as $CaCO_3$	mg/l	20.0	200	600	APHA 2320 B
16	Chlorides as Cl	mg/l	15.0	250	1000	APHA 4500 Cl^- B
17	Sulfates as SO_4	mg/l	1.80	200	400	APHA 4500 SO_4^{2-} E
18	Total Iron as Fe	mg/l	BLQ (LOQ=0.01)	0.3	0.3	APHA 3500 Fe- B
19	Silica (Reactive) as SiO_2	mg/l	0.16	NA	NA	IS 3025: P.35:1988 R.2019
20	Carbonate Hardness as $CaCO_3$	mg/l	5.0	NA	NA	APHA 2340 A
21	Non-Carbonate Hardness as $CaCO_3$	mg/l	NIL	NA	NA	APHA 2340 A
22	Free Residual Chlorine	mg/l	BLQ (LOQ=0.1)	0.2	**1	APHA 4500 Cl B

BLQ= Below Limit of Quantification; LOQ= Limit of Quantification; NA= Not Applicable

Remarks: The above submitted water sample complies with acceptable limits of drinking water specification as per IS 10500:2012 with respect to the above tests.

E. MANJU M
Authorised Signatory

-----End of Report----

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TEST REPORT

Sample Ref No. : EES/W/192/06	Report No. :289/06
Issued To: **M/s. Orchids The International School, S.F.No 10/5,Patharwadi village Kundrathur Taluk,Kancheepuram District**	Report Date :08.06.2026 Page: 1 of 1
Sample Description : Water Sample Drawn By/ Date : Customer / 05.06.2026 Sample Mark : Drinking Water Discipline : Biological Testing	Commenced On :05.06.2026 Completed On :08.06.2026

Sl. No	PARAMETERS	UNITS	RESULTS	Requirement as per IS 10500: 2012 Second revision (Acceptable Limit)	PROTOCOL
	MICROBIOLOGICAL EXAMINATION				
1	Total Coliforms	P/A/100ml	Absent	shall not be detectable in any 100 ml	IS;15185:2016
2	E.coli	P/A/ 100ml	Absent	shall not be detectable in any 100 ml	IS; 15185:2016

P/A-PRESENT OR ABSENT

Report Opinion: The above submitted water sample meets the requirement of drinking water specification as per IS 10500:2012 with respect to the parameters tested.

----End of Report----

VINAYAGAM
Authorised Signatory

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