# 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.

Phone : 044 - 2615 3349. Mobile : 94444 11178 / 94449 71649

E-mail : ekdantlab@gmail.com / ekdantfinance19@gmail.com

Web : www.ekdantlab.co.in


## TEST REPORT

| | |
|---|---|
| Sample Ref No. : EES/W/194/06 | Report No. :275/06 |
| Issued To: **M/s. Orchids The International School, T.S.No.96/4,96/13&97/1, Block No 21, Ward E, Santosh Nagar, Korattur, Chennai-600 050.** | Report Date :06.06.2026<br>Page: 1 of 2 |
| Sample Description : Water<br>Sample Drawn By/ Date : Customer/ 05.06.2026<br>Sample Mark : Drinking Water<br>Discipline : Chemical Testing | Commenced On :05.06.2026<br>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:<br>When Analyzed<br>After Filtration | - | <br>Clear<br>Clear | NA | NA | APHA 2110 |
| 2 | pH value at 25°C | - | 7.68 | 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 |

EKDANT ENVIRO SERVICES (P) LTD. CHENNAI 600 101

ELUMALAI.M
Authorised Signatory



NOTE:
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## TEST REPORT – ADDITIONAL SHEET

Sample Ref No. : EES/W/194/06

Report No. :275/06
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 | 4.0 | 200 | 600 | APHA 2340 C |
| 10 | Calcium Hardness as $CaCO_3$ | mg/l | 2.0 | 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 | 0.80 | 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 | 2.0 | 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 | 0.15 | NA | NA | IS 3025: P.35:1988 R.2019 |
| 20 | Carbonate Hardness as $CaCO_3$ | mg/l | 4.0 | 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.**

ELUMALAI.M
Authorised Signatory

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

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## TEST REPORT

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|---|---|
| Sample Ref No. : EES/W/194/06 | Report No. :275/06 |
| Issued To: **M/s. Orchids The International School, T.S No 96/4,96/13 &97/1, Block No.21, Ward E, Santosh Nagar, Korattur Chennai 600050** | Report Date :08.06.2026<br>Page: 1 of 1 |
| Sample Description : Water<br>Sample Drawn By/ Date : Customer / 05.06.2026<br>Sample Mark : Drinking Water<br>Discipline : Biological Testing | Commenced On :05.06.2026<br>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.**

VINAYA C.M
Authorised Signatory

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

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