



# EKDANT ENVIRO SERVICES (P) LIMITED

NABL Accredited & MoEF Recognised Laboratory

An ISO 9001 : 2008 and OHSAS 18001 : 2007 Certified Company

No.R-7/1, AVK Tower, North Main Road, Anna Nagar West Extn., Chennai - 600 101. India

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## TEST REPORT

Sample Ref No. : EES/W/157/06

Report No. : 264/06

Issued To: **M/s. Montfort School,  
Pondur- 602 105.**

Report Date : 16.02.23  
Page: 1 of 2

Sample Description : Water  
Sample Drawn By/ Date : Customer/ 15.02.23  
Customer's Reference : Letter Dated on 15.02.23  
Sample Mark : Raw Water

Received On : 15.02.23  
Commenced On : 15.02.23  
Completed On : 16.02.23

| Sl. No                     | PARAMETERS                                 | UNITS        | RESULTS         | As Per IS 10500:2012           |  | PROTOCOL:<br>APHA 23 <sup>rd</sup> Edition 2017 |
|----------------------------|--|--------------|-----------------|--------------------------------|--|---|
|                            |  |              |                 | Requirement (Acceptable limit) | Permissible limit in the absence of alternate source |   |
| <b>Physical Properties</b> |  |              |                 |                                |  |   |
| 1                          | Appearance: When Analyzed After Filtration | -            | Turbid<br>Clear | -<br>-                         | -<br>-   | -   |
| 2                          | pH value at 25°C                           | -            | 6.54            | 6.5 – 8.5                      | 6.5 – 8.5  | 4500 H <sup>+</sup> B                           |
| 3                          | Color                                      | Hazen Unit   | 30.0            | 5                              | 15   | 2120 B  |
| 4                          | Odor                                       | -            | Agreeable       | Agreeable                      | Agreeable  | IS 3025 P.5 1983 R.2012                         |
| 5                          | Turbidity                                  | NTU          | 10.60           | 1                              | 5  | 2130 B  |
| 6                          | Electrical conductivity at 25°C            | Micromhos/cm | 1033            | -                              | -  | 2510 B  |
| <b>Chemical Properties</b> |  |              |                 |                                |  |   |
| 7                          | Total Suspended Solids                     | mg/l         | 32.0            | -                              | -  | IS:3025: P.17:1984:R.2012                       |
| 8                          | Total Dissolved Solids                     | mg/l         | 550             | 500                            | 2000   | IS 3025:P.16:1984:R.2012                        |

-----End of Page 1-----



*Rujona*  
Authorized Signatory

- NOTE: 1. Test results shown in this test report relate only to the items tested.  
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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. : EESW/157/06 |   |       |         | Report No. : 264/06            |  | <b>PROTOCOL:</b><br><b>APHA 23<sup>rd</sup> Edition 2017</b> |
|------------------------------|---|-------|---------|--------------------------------|--|--|
|                              |   |       |         | Report Date : 16.02.23         |  |  |
|                              |   |       |         | Page: 2 of 2                   |  |  |
| Sl. No                       | PARAMETERS                                      | UNITS | RESULTS | As Per IS 10500:2012           |  |  |
|                              |   |       |         | Requirement (Acceptable limit) | Permissible limit in the absence of alternate source |  |
| 9                            | Total Hardness as CaCO <sub>3</sub>             | mg/l  | 160     | 200                            | 600  | 2340 C   |
| 10                           | Calcium Hardness as CaCO <sub>3</sub>           | mg/l  | 112     | -                              | -  | 3500 - Ca B  |
| 11                           | Magnesium Hardness as CaCO <sub>3</sub>         | mg/l  | 48.0    | -                              | -  | 3500 – Mg <sup>+</sup> B                                     |
| 12                           | Calcium as Ca                                   | mg/l  | 45.0    | 75                             | 200  | 3500 - Ca B  |
| 13                           | Magnesium as Mg                                 | mg/l  | 12.0    | 30                             | 100  | 2340 C   |
| 14                           | Phenolphthalein Alkalinity as CaCO <sub>3</sub> | mg/l  | Nil     | -                              | -  | 2320 B   |
| 15                           | Total Alkalinity as CaCO <sub>3</sub>           | mg/l  | 70.0    | 200                            | 600  | 2320 B   |
| 16                           | Chlorides as Cl                                 | mg/l  | 123     | 250                            | 1000   | 4500 Cl <sup>-</sup> B                                       |
| 17                           | Sulfates as SO <sub>4</sub>                     | mg/l  | 168     | 200                            | 400  | 4500 SO <sub>4</sub> <sup>2-</sup> E                         |
| 18                           | Total Iron as Fe                                | mg/l  | 1.74    | 0.3                            | 0.3  | 3500 Fe- B   |
| 19                           | Silica (Reactive) as SiO <sub>2</sub>           | mg/l  | 63.0    | -                              | -  | 4500 SiO <sub>2</sub> C                                      |
| 20                           | Carbonate Hardness as CaCO <sub>3</sub>         | mg/l  | 70.0    | -                              | -  | 2340 A   |
| 21                           | Non-Carbonate Hardness as CaCO <sub>3</sub>     | mg/l  | 90.0    | -                              | -  | 2340 A   |
| 22                           | Free Residual Chlorine                          | mg/l  | <0.2    | 0.2                            | **1  | 4500 Cl B  |

\*\* To be applicable only when water is chlorinated.

**Report Opinion: The above submitted water sample does not comply with drinking water specification as per IS 10500:2012 with respect to Color, Turbidity & Iron.**

---End of Report---



*[Signature]*  
Authorized Signatory

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## TEST REPORT

| Sample Ref No. : EES/W/158/06   |  |              |                | Report No. : 265/06  |  |   |
|---|--|--------------|----------------|--|--|---|
| Issued To: <b>M/s. Montfort School,<br/>Pondur- 602 105.</b>  |  |              |                | Report Date : 16.02.23<br>Page: 1 of 2                                       |  |   |
| Sample Description : Water<br>Sample Drawn By/ Date : Customer/ 15.02.23<br>Customer's Reference : Letter Dated on 15.02.23<br>Sample Mark : RO Water |  |              |                | Received On : 15.02.23<br>Commenced On : 15.02.23<br>Completed On : 16.02.23 |  |   |
| Sl. No  | PARAMETERS                                       | UNITS        | RESULTS        | As Per IS 10500:2012   |  | PROTOCOL:<br>APHA 23 <sup>rd</sup> Edition 2017 |
|   |  |              |                | Requirement (Acceptable limit)   | Permissible limit in the absence of alternate source |   |
| <b>Physical Properties</b>  |  |              |                |  |  |   |
| 1   | Appearance:<br>When Analyzed<br>After Filtration | -            | Clear<br>Clear | -<br>-   | -<br>-   | -   |
| 2   | pH value at 25°C                                 | -            | 6.51           | 6.5 – 8.5  | 6.5 – 8.5  | 4500 H <sup>+</sup> B                           |
| 3   | Color  | Hazen Unit   | <1.0           | 5  | 15   | 2120 B  |
| 4   | Odor   | -            | Agreeable      | Agreeable  | Agreeable  | IS 3025 P.5 1983 R.2012                         |
| 5   | Turbidity  | NTU          | <1.0           | 1  | 5  | 2130 B  |
| 6   | Electrical conductivity<br>at 25°C               | Micromhos/cm | 52.0           | -  | -  | 2510 B  |
| <b>Chemical Properties</b>  |  |              |                |  |  |   |
| 7   | Total Suspended Solids                           | mg/l         | <1.0           | -  | -  | IS:3025: P.17:1984:R.2012                       |
| 8   | Total Dissolved Solids                           | mg/l         | 27.0           | 500  | 2000   | IS 3025:P.16:1984:R.2012                        |

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*Rijona*  
Authorized Signatory

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**TEST REPORT – ADDITIONAL SHEET**

| Sample Ref No. : EES/W/158/06 |   |       |                  | Report No. : 265/06<br>Report Date : 16.02.23<br>Page: 2 of 2 |  |   |
|-------------------------------|---|-------|------------------|---|--|---|
| Sl. No                        | PARAMETERS                                      | UNITS | RESULTS          | As Per IS 10500:2012  |  | PROTOCOL:<br>APHA 23 <sup>rd</sup> Edition 2017 |
|                               |   |       |                  | Requirement (Acceptable limit)                                | Permissible limit in the absence of alternate source |   |
| 9                             | Total Hardness as CaCO <sub>3</sub>             | mg/l  | 5.0              | 200   | 600  | 2340 C  |
| 10                            | Calcium Hardness as CaCO <sub>3</sub>           | mg/l  | 3.0              | -   | -  | 3500 - Ca B                                     |
| 11                            | Magnesium Hardness as CaCO <sub>3</sub>         | mg/l  | 2.0              | -   | -  | 3500 – Mg B                                     |
| 12                            | Calcium as Ca                                   | mg/l  | 1.20             | 75  | 200  | 3500 - Ca B                                     |
| 13                            | Magnesium as Mg                                 | mg/l  | 0.48             | 30  | 100  | 2340 C  |
| 14                            | Phenolphthalein Alkalinity as CaCO <sub>3</sub> | mg/l  | Nil              | -   | -  | 2320 B  |
| 15                            | Total Alkalinity as CaCO <sub>3</sub>           | mg/l  | 10.0             | 200   | 600  | 2320 B  |
| 16                            | Chlorides as Cl                                 | mg/l  | 9.0              | 250   | 1000   | 4500 Cl <sup>-</sup> B                          |
| 17                            | Sulfates as SO <sub>4</sub>                     | mg/l  | BDL<br>(DL=0.1)  | 200   | 400  | 4500 SO <sub>4</sub> <sup>2-</sup> E            |
| 18                            | Total Iron as Fe                                | mg/l  | BDL<br>(DL=0.01) | 0.3   | 0.3  | 3500 Fe- B                                      |
| 19                            | Silica (Reactive) as SiO <sub>2</sub>           | mg/l  | 0.88             | -   | -  | 4500 SiO <sub>2</sub> C                         |
| 20                            | Carbonate Hardness as CaCO <sub>3</sub>         | mg/l  | 5.0              | -   | -  | 2340 A  |
| 21                            | Non-Carbonate Hardness as CaCO <sub>3</sub>     | mg/l  | Nil              | -   | -  | 2340 A  |
| 22                            | Free Residual Chlorine                          | mg/l  | <0.2             | 0.2   | **1  | 4500 Cl B                                       |

**BDL= Below Detectable Limit, DL=Detection Limit.**

\*\* To be applicable only when water is chlorinated.

**Report Opinion: The above submitted water sample complies with drinking water specification as per IS 10500:2012 with respect to the above tests.**

---End of Report---



*V. Rajan*  
Authorized Signatory

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