

NABL Accredited Laboratory as per ISO/IEC:17025:2005  
Recognized by Ministry of Environment and Forest (MoEF), Govt. of India  
ISO 9001: 2008 and OHSAS 18001: 2007 Certified Company

ENalyze\*

| TEST REPORT   |   | Report No. CHT/OSD/06/2024/673 |
|---|---|--------------------------------|
| <b>Name of Client and Address:</b><br><br>M/s. RAMESHWAR LAL<br>KHANDELWAL VIDYA MANDIR<br><br>CHATRA,<br>JHARKHAND | <b>Sample Code</b>                                  | <b>SMT/OSD/05/2024/502</b>     |
|   | <b>Sample Location</b>                              | Drinking Water                 |
|   | <b>Sample Collected By</b>                          | Simdega Biotech Pvt. Ltd.      |
|   | <b>Method of Sampling</b>                           | IS:3025 (Part 1)               |
|   | <b>Sample Type</b>                                  | Drinking Water                 |
|   | <b>Sample Collected On</b>                          | 05.06.2024                     |
|   | <b>Sample Received on Date</b>                      | 05.06.2024                     |
|   | <b>Analysis Date</b>                                | 05.06.2024 to 10.06.2024       |
|   | <b>Reporting Date</b>                               | 11.06.2024                     |
| <b>Sample returned /stored</b>  | Stored at 4 C for 1 week from the date of reporting |                                |

TEST PARAMETERS

| Sr. No.                     | Parameter                             | Result    | Limit as per IS:10500 | Unit        | Standard Method                           |
|-----------------------------|---------------------------------------|-----------|-----------------------|-------------|---|
| 1                           | Colour                                | 1.0       | <5                    | Hazen Units | IS:3025 Part-04 (R.A:2002)                |
| 2                           | Odour                                 | Agreeable | Agreeable             | --          | IS:3025 Part-05 (R.A:2002)                |
| 2                           | Turbidity                             | 0.37      | <1.0                  | NTU         | IS:3025 Part-10 (R.A:2002)                |
| 3                           | TDS                                   | 67.0      | <500                  | Mg/Lit      | IS:3025 Part-16 (R.A:2002)                |
| <b>Chemical Parameters</b>  |                                       |           |                       |             |   |
| 1                           | pH                                    | 7.45      | 6.5 to 8.5            | --          | IS:3025 Part-11(R.A:2002)                 |
| 2                           | Total Hardness as CaCO <sub>3</sub>   | 59.12     | <200                  | mg/lit      | IS:3025 Part-21(2009)                     |
| 3                           | Total Alkalinity as CaCO <sub>3</sub> | 42.46     | <200                  | mg/lit      | IS:3025 Part-23 (R.A:2003)                |
| 4                           | Chloride as Cl                        | 14.82     | <250                  | mg/lit      | IS:3025 Part-32 (R.A:2003)                |
| 5                           | Sulphate as SO <sub>4</sub>           | 4.12      | <200                  | mg/lit      | APHA:22 <sup>ND</sup> edition-(4500-SO E) |
| 6                           | Residual Chlorine                     | BDL       | 0.2                   | mg/lit      | APHA:22 <sup>ND</sup> edition-(4500-Cl B) |
| 7                           | Sulphides as S                        | BDL       | <0.05                 | mg/lit      | IS:3025 (Part 29)                         |
| 8                           | Ammonia                               | BDL       | <0.5                  | mg/lit      | APHA:22 <sup>ND</sup> edition-(3500-Cr B) |
| 9                           | Nitrate as NO <sub>3</sub>            | 1.0       | <45.0                 | mg/lit      | APHA:22 <sup>ND</sup> edition- (4500-F F) |
| 10                          | Fluorides as F                        | 0.24      | <1.0                  | mg/lit      | APHA: 22 <sup>ND</sup> edition-(4500-F F) |
| 11                          | Phenol                                | BDL       | <0.001                | mg/lit      | IS: 3025 Part-43(R.A: 2003)               |
| 12                          | Detergent                             | BDL       | <0.2                  | mg/lit      | APHA: 22 <sup>ND</sup> edition -(5540 C)  |
| <b>Elemental Parameters</b> |                                       |           |                       |             |   |
| 1                           | Calcium as Ca                         | 21.12     | <75.0                 | mg/lit      | IS:3025 Part-02(2004)                     |
| 2                           | Cadmium as Cd                         | BDL       | <0.003                | mg/lit      | IS:3025 Part-02(2004)                     |
| 3                           | Manganese as Mn                       | 0.02      | <0.1                  | mg/lit      | IS:3025 Part -02(2004)                    |
| 4                           | Iron as Fe                            | <0.1      | <0.30                 | mg/lit      | IS:3025 Part-02(2004)                     |
| 5                           | Magnesium as Mg                       | 4.45      | <30.0                 | mg/lit      | IS:3025 Part-02(2004)                     |
| 6                           | Mercury as Hg                         | BDL       | <0.001                | mg/lit      | IS:3025 Part-02(2004)                     |
| 7                           | Selenium as Se                        | BDL       | <0.01                 | mg/lit      | IS:3025 Part-02(2004)                     |
| 8                           | Zinc as Zn                            | 0.32      | <5                    | mg/lit      | IS:3025 Part-02(2004)                     |
| 9                           | Arsenic as As                         | BDL       | <0.01                 | mg/lit      | IS:3025 Part-02(2004)                     |
| 10                          | Lead as Pb                            | BDL       | <0.01                 | mg/lit      | IS:3025 Part-02(2004)                     |
| 11                          | Chromium as Cr                        | BDL       | <0.03                 | mg/lit      | IS:3025 Part-02(2004)                     |

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|                                   |                  |       |        |           |                       |
|-----------------------------------|------------------|-------|--------|-----------|-----------------------|
| 12                                | Aluminum as Al   | 0.32  | <0.03  | mg/lit    | IS:3025 Part-02(2004) |
| 13                                | Copper as Cu     | <0.02 | <0.05  | mg/lit    | IS:3025 Part-02(2004) |
| 14                                | Boron as B       | 0.02  | <0.5   | mg/lit    | IS:3025 Part-02(2004) |
| 15                                | Barium as Ba     | 0.003 | <0.7   | mg/lit    | IS:3025 Part-02(2004) |
| 16                                | Silver as Ag     | BDL   | <0.1   | mg/lit    | IS:3025 Part-02(2004) |
| 17                                | Molybdenum as Mo | BDL   | <0.07  | mg/lit    | IS:3025 Part-02(2004) |
| 18                                | Nickel as Ni     | <0.01 | <0.02  | mg/lit    | IS:3025 Part-02(2004) |
| <b>Microbiological Parameters</b> |                  |       |        |           |                       |
| 1                                 | Total Coliform   | <2    | Absent | MPN/100ml | IS: 1622 (R.A :1996)  |
| 2                                 | Escherichia coli | <2    | Absent | MPN/100ml | IS: 1622 (R.A :1996)  |

BDL – Below Detectable Limit

Note: For E-Coli and Coliform <2 can be considered as absent

*for 8/20/20*  
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-----End of Report-----

