



**SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED**  
**Plot Nos. 24 D [P] & 34 D, KIADB Industrial Area,**  
**Hoskote, Bangalore – 562114, INDIA. Ph: +91-80-28015333**  
**E-mail : info@shivaanalytics.com**  
**Web : www.shivaanalytics.com**  
**CIN: U24230KA1994PTC125297**

**COA Preview (Uncontrolled)**  
**(Environment)**

**Matrix: Water**

|                                       |   |   |                |
|---------------------------------------|---|---|----------------|
| <b>Sample Reference Name:</b>         | Borewell Water Analysis as per IS10500  |   |                |
| <b>Sample Identification/Details:</b> | Drinking Water  |   |                |
| <b>Discipline</b>                     | Chemical / Biological   | <b>Contract Agreement/Test Report.No.</b>       | 05240423005209 |
| <b>Group</b>                          | Water & Residues In Water   | <b>Date of Sample Collection</b>                | 18-APR-2024    |
| <b>Issued To</b>                      | Indo Sunrise International School   | <b>Date of Receipt</b>                          | 19-APR-2024    |
| <b>Address</b>                        | Indo Sunrise International School<br>Kattigenahalli Hoskote Taluk,<br>Bangalore Rural -562114<br>562114 | <b>Date of Booking</b>                          | 23-APR-2024    |
| <b>Time/Duration of Sampling</b>      | -   | <b>Date of Start of Analysis</b>                | 23-APR-2024    |
| <b>Location of Sample Collection</b>  | -   | <b>Date of End of Analysis</b>                  | --             |
| <b>PO / Reference No./Date</b>        | Test Request Form   | <b>Date of Issue of Report</b>                  | --             |
| <b>Sampling Plan</b>                  | SOP/ENV/026   | <b>Instrument used for Sampling/Analysis</b>    | -              |
| <b>Sample Method</b>                  | SOP/ENV/024   | <b>Environmental Conditions During sampling</b> | --             |

| S.NO. | TEST                                    | UNIT | RESULTS                                | REQUIREMENTS   | PROTOCOL/TEST METHOD      |
|-------|---|------|--|--|---------------------------|
| 1     | Colour                                  | CU   | 5                                      | Acceptable Limit 5 max<br>Permissible Limit 15 max         | IS 3025 (Part-4) 1983     |
| 2     | Odour                                   | --   | Agreeable                              | Agreeable  | IS 3025 (Part-5) 2018     |
| 3     | pH value                                | --   | 7.8                                    | Acceptable Limit 6.5-8.5<br>Permissible Limit 6.5-8.5      | IS 3025 (Part 11) : 1983  |
| 4     | Taste                                   | --   | Agreeable                              | Agreeable  | IS 3025 (Part-7 & 8) 1984 |
| 5     | Turbidity                               | NTU  | Below<br>Detection<br>limit of 0.1     | Acceptable Limit 1 max<br>Permissible Limit 5 max          | IS 3025 (Part 10) : 1984  |
| 6     | Total dissolved solids                  | mg/L | 26.0                                   | Acceptable Limit 500 max<br>Permissible Limit 2000 max     | IS 3025 (Part 16) : 1984  |
| 7     | Aluminium (as Al)                       | mg/l | Below<br>Detection<br>Limit of<br>0.01 | Acceptable Limit 0.03 max<br>Permissible Limit 0.2 max     | IS 3025 (Part 2) : 2019   |
| 8     | Anionic Surface active agents (as MBAS) | mg/l | Below<br>Detection<br>Limit of 0.1     | Acceptable Limit : 0.2 max<br>Permissible Limit : 1.0 max  | Annex K of IS 13428       |
| 9     | Boron (as B)                            | mg/l | Below<br>Detection<br>Limit of 0.1     | Acceptable limit : 0.5 max<br>Permissible Limit : 2.4 max  | IS 3025 (Part 2) : 2019   |
| 10    | Calcium (as Ca)                         | mg/l | 0.8                                    | Acceptable limit : 75 max<br>permissible Limit : 200 max   | IS 3025 (Part 2) : 2019   |
| 11    | Chloride (as Cl)                        | mg/l | 9                                      | Acceptable Limit : 250 max<br>Permissible Limit : 1000 max | IS 3025 (Part 32) : 1988  |
| 12    | Copper (as Cu)                          | mg/l | Below<br>Detection<br>Limit of<br>0.01 | Acceptable Limit : 0.05 max<br>Permissible Limit : 1.5 max | IS 3025 (Part 2) : 2019   |
| 13    | Fluoride (as F)                         | mg/l | Below<br>Detection<br>Limit of 0.1     | Acceptable Limit 1.0 max<br>Permissible Limit 1.5 max      | IS 3025 (Part-60) 2008    |
| 14    | Free Residual Chlorine                  | mg/l | Below                                  | Acceptable Limit 0.2 min                                   | IS 3025 (Part-26) 1986    |

|                             |             |                      |             |
|-----------------------------|-------------|----------------------|-------------|
| <b>First Test On</b>        | 23-APR-2024 | <b>Last Test On</b>  | 23-APR-2024 |
| <b>Authorized Signatory</b> | -- ()       | <b>Authorized On</b> | --          |

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Page No.: 1 of 4



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**CIN: U24230KA1994PTC125297**

**COA Preview (Uncontrolled)**  
**(Environment)**

**Matrix: Water**

|                                       |   |   |                |
|---------------------------------------|---|---|----------------|
| <b>Sample Reference Name:</b>         | Borewell Water Analysis as per IS10500  |   |                |
| <b>Sample Identification/Details:</b> | Drinking Water  |   |                |
| <b>Discipline</b>                     | Chemical / Biological   | <b>Contract Agreement/Test Report.No.</b>       | 05240423005209 |
| <b>Group</b>                          | Water & Residues In Water   | <b>Date of Sample Collection</b>                | 18-APR-2024    |
| <b>Issued To</b>                      | Indo Sunrise International School   | <b>Date of Receipt</b>                          | 19-APR-2024    |
| <b>Address</b>                        | Indo Sunrise International School<br>Kattigenahalli Hoskote Taluk,<br>Bangalore Rural -562114<br>562114 | <b>Date of Booking</b>                          | 23-APR-2024    |
| <b>Time/Duration of Sampling</b>      | -   | <b>Date of Start of Analysis</b>                | 23-APR-2024    |
| <b>Location of Sample Collection</b>  | -   | <b>Date of End of Analysis</b>                  | --             |
| <b>PO / Reference No./Date</b>        | Test Request Form   | <b>Date of Issue of Report</b>                  | --             |
| <b>Sampling Plan</b>                  | SOP/ENV/026   | <b>Instrument used for Sampling/Analysis</b>    | -              |
| <b>Sample Method</b>                  | SOP/ENV/024   | <b>Environmental Conditions During sampling</b> | --             |

|    |  |      | Detection Limit of 0.05         | Permissible Limit 1.0 min                                     |   |
|----|--|------|---------------------------------|---|---|
| 15 | Iron (as Fe)   | mg/l | Below Detection Limit of 0.05   | Acceptable Limit : 1.0 max<br>Permissible Limit : 1.0 max     | IS 3025 (Part 2) : 2019                               |
| 16 | Manganese (as Mn)  | mg/l | Below Detection Limit of 0.03   | Acceptable Limit : 0.1 max<br>Permissible Limit : 0.3 max     | IS 3025 (Part 2) : 2019                               |
| 17 | Mineral Oil  | mg/l | Below Detection Limit of 0.25   | Acceptable Limit: 0.5 max<br>Permissible Limit: 0.5 max       | IS 3025 (Part-39) 1991<br>(Infrared Partition Method) |
| 18 | Nitrate (as NO <sub>3</sub> )                            | mg/l | Below Detection Limit of 1      | Acceptable Limit : 45 max<br>Permissible Limit : 45 max       | APHA 23rd Edition<br>(P-4500B)2017                    |
| 19 | Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH) | mg/l | Below Detection Limit of 0.0005 | Acceptable Limit : 0.001 max<br>Permissible Limit : 0.002 max | APHA 23rd Edition (P-5530C)<br>2017                   |
| 20 | Selenium (as Se)   | mg/l | Below Detection Limit of 0.001  | Acceptable Limit : 0.01 max<br>Permissible Limit : 0.01 max   | IS 3025 (Part 2) : 2019                               |
| 21 | Sulphate (as SO <sub>4</sub> )                           | mg/l | 4                               | Acceptable Limit : 200 max<br>Permissible Limit : 400 max     | IS 3025 (Part 24) : 1986                              |
| 22 | Total Alkalinity (as CaCO <sub>3</sub> )                 | mg/l | 9                               | Acceptable Limit : 200 max<br>Permissible Limit : 600 max     | IS 3025 (Part 23) : 1986                              |
| 23 | Total Hardness (as CaCO <sub>3</sub> )                   | mg/l | 4                               | Acceptable Limit : 200 max<br>Permissible Limit : 600 max     | IS 3025 (Part 21) : 1983                              |
| 24 | Zinc (as Zn)   | mg/l | Below Detection Limit of        | Acceptable Limit : 5 max<br>Permissible Limit : 15 max        | IS 3025 (Part 2) : 2019                               |

|                             |             |                      |             |
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| <b>Time/Duration of Sampling</b>      | -   | <b>Date of Start of Analysis</b>                | 23-APR-2024    |
| <b>Location of Sample Collection</b>  | -   | <b>Date of End of Analysis</b>                  | --             |
| <b>PO / Reference No./Date</b>        | Test Request Form   | <b>Date of Issue of Report</b>                  | --             |
| <b>Sampling Plan</b>                  | SOP/ENV/026   | <b>Instrument used for Sampling/Analysis</b>    | -              |
| <b>Sample Method</b>                  | SOP/ENV/024   | <b>Environmental Conditions During sampling</b> | --             |

|    |  |      |   |   |                                     |
|----|--|------|---|---|-------------------------------------|
| 25 | Cadmium (as Cd)                            | mg/l | 0.05<br>Below<br>Detection<br>Limit of<br>0.001 | Acceptable Limit 0.003 max<br>Permissible Limit 0.003 max   | EPA 200.8                           |
| 26 | Cyanide (as CN)                            | mg/l | Below<br>Detection<br>Limit of<br>0.01          | Acceptable Limit : 0.05 max<br>Permissible Limit : 0.05 max | APHA 23rd Edition (P4500 E)<br>2017 |
| 27 | Lead (as Pb)                               | mg/l | Below<br>Detection<br>Limit of<br>0.005         | Acceptable Limit : 0.01 max<br>Permissible Limit : 0.01 max | IS 3025 (Part 2) : 2019             |
| 28 | Mercury (as Hg)                            | mg/l | Below<br>Detection<br>Limit of<br>0.0005        | Acceptable Limit 0.001 max<br>Permissible Limit 0.001 max   | EPA 200.8                           |
| 29 | Nickel (as Ni)                             | mg/l | Below<br>Detection<br>Limit of<br>0.001         | Acceptable Limit : 0.02 max<br>Permissible Limit : 0.02 max | IS 3025 (Part 2): 2019              |
| 30 | Polynuclear aromatic hydrocarbons (as PAH) | mg/l | Below<br>Detection<br>Limit of<br>0.0001        | Acceptable Limit 0.0001 max<br>Permissible Limit 0.0001 max | APHA 6440                           |
| 31 | Total Arsenic (as As)                      | mg/l | Below<br>Detection<br>Limit of<br>0.005         | Acceptable Limit : 0.01 max<br>Permissible Limit : 0.01 max | IS 3025 (Part 2) : 2019             |
| 32 | Total Chromium (as Cr)                     | mg/l | Below<br>Detection<br>Limit of<br>0.01          | Acceptable limit : 0.05 max<br>Permissible Limit : 0.05 max | IS 3025 (Part 2) : 2019             |

|                             |             |                      |             |
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| <b>Sample Method</b>                  | SOP/ENV/024   | <b>Environmental Conditions During sampling</b> | --             |

Remarks:

**Terms And Conditions**

| <b>S.No.</b> | <b>Description</b>   |
|--------------|--|
| 1            | The results reported above pertains only to the tested samples and applicable parameters.  |
| 2            | Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified.           |
| 3            | Total liability of our laboratory is limited to the invoiced amount.   |
| 4            | This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission. |
| 5            | In case any reconfirmation of contents of this test certificate is required, please contact our office.  |
| 6            | Sampling is not done by us unless specified.   |
| 7            | Any discrepancy in the Test Certificate should be notified within 30 days.   |

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

|                                 |             |                                |             |
|---------------------------------|-------------|--------------------------------|-------------|
| First Test On                   | 23-APR-2024 | Last Test On                   | 23-APR-2024 |
| Authorized Signatory            | -- ()       | Authorized On                  | --          |
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| <b>Format No.F/SAIL/7.1/08</b>  |             | Page No.: 4 of 4               |             |