



**DELHI JAL BOARD**  
( GOVT. OF N.C.T. DELHI )  
**QUALITY CONTROL LABORATORY,**  
**WATER TREATMENT PLANT NANGLOI, DELHI-110041**



एक कदम स्वच्छता की ओर

Water Samples collected from "Aryaman Public School" West Krishna Village, Kpaila road, Najafgarh, New Delhi -110043 Vide Challan No. 117 Dt-29.07.2024.

**THE TEST REPORT IS FOR THIS PARTICULAR WATER SAMPLE ONLY.**

S1: Inlet Water of R.O.

S2: Drinking Point with (RO) at above site.

| 1: Inlet water of R.O.      |                              |         |                   |             |          |          |
|-----------------------------|------------------------------|---------|-------------------|-------------|----------|----------|
| S. No.                      | Particulars                  | Units   | Limit             |             | S1       | S2       |
|                             |                              |         | Acceptable        | Permissible |          |          |
| PHYSICAL EXAMINATION        |                              |         |                   |             |          |          |
| 1.                          | Date of collection           | -----   | --                | --          | 31.07.24 | 31.07.24 |
| 2.                          | Date of Analysis             | -----   | --                | --          | 03.08.24 | 03.08.24 |
| 3.                          | Colour                       | CU      | 5.0               | 15          | Clear    | Clear    |
| 4.                          | Odour                        | -----   | No. Objectionable |             | No Obj.  | No Obj.  |
| 5.                          | Turbidity                    | N.T.U.  | 1.0               | 5.0         | 4.3      | 1.2      |
| 6.                          | PH value                     | -----   | 6.5               | 8.5         | 7.5      | 6.8      |
| 7.                          | Electrical Conductivity      | µmho/cm | --                | --          | 1984     | 46.9     |
| 8.                          | Total dissolved solids       | mg/l    | 500               | 2000        | 1289     | 30.5     |
| CHEMICAL EXAMINATION        |                              |         |                   |             |          |          |
| 9.                          | Phenolphthalein Alkalinity   | mg/l    | --                | --          | NIL      | Nil      |
| 10.                         | Total Alkalinity             | mg/l    | 200               | 600         | 346      | 10       |
| 11.                         | Total Hardness               | mg/l    | 200               | 600         | 770      | 16       |
| 12.                         | Calcium Hardness             | mg/l    | --                | --          | 170      | 10       |
| 13.                         | Magnesium Hardness           | mg/l    | --                | --          | 600      | 06       |
| 14.                         | Calcium as Ca                | mg/l    | 75                | 200         | 68       | 4.0      |
| 15.                         | Magnesium as Mg              | mg/l    | 30                | 100         | 144      | 1.44     |
| 16.                         | Ammonia as N                 | mg/l    | 0.5               | N.R.        | NIL      | NIL      |
| 17.                         | Nitrite as N                 | mg/l    | ---               | --          | NIL      | NIL      |
| 18.                         | Nitrate as No <sub>3</sub>   | mg/l    | 45                | N.R.        | -        | -        |
| 19.                         | Sulphate                     | mg/l    | 200               | 400         | 92       | ND       |
| 20.                         | Chloride                     | mg/l    | 250               | 1000        | 440      | 14       |
| 21.                         | Dissolved Iron               | mg/l    | 1                 | N.R.        | 0.18     | ND       |
| 22.                         | Fluoride                     | mg/l    | 1                 | 1.5         | 0.38     | 0.06     |
| 23.                         | Cyanide                      | mg/l    | 0.05              | N.R.        | ND       | ND       |
| 24.                         | Residual Chlorine            | mg/l    | 0.20(min)         | 1.0         | NIL      | NIL      |
| BACTERIOLOGICAL EXAMINATION |                              |         |                   |             |          |          |
| 25.                         | Coli-form per 100 ml at 37°C | MPN     | 0                 |             | 0        | 0        |

REMARKS: As per tested parameters Sample -S1 cannot use for drinking purpose whereas Sample -S2 can be used for drinking purpose.

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BAET.

A/CHEMIST