



**BRIHANMUMBAI MAHANAGARPALIKA**  
**PUBLIC HEALTH DEPARTMENT**  
**MUNICIPAL ANALYST LABORATORY**  
Room No. 49, 2nd Floor, G/North Ward Office, Harishchandra Yelve Marg,  
Dadar (W), Mumbai - 400 028  
Tel. No. : (022)24301551, Email: municipalanalyst@gmail.com

**Analysis Report**

# Customer Name & Address	REPORT NO.	11798/040320241
Orchids The International School Marve Road, Opp. HDFC Bank, Behind Garden Court Restaurant, Malad West, Mumbai 400064	Date of Receipt	04 March 2024
	Quantity	1 Lit.
# Sample Name: Drinking Water	Discipline	Chemical Testing
# Sample Details:	Group	Water
# Other Information:	Analysis Start on	05 March 2024
	Completed on	07 March 2024

(i) Sample Description: Sample was received in plain plastic bottle

(ii) Physical Appearance: Normal

Sr.No.	Quality Characteristics	Nature of Method of test used	Results	Acceptable limits prescribed in IS 10500 : 2012 (Reaffirmed 2018)
1	*Physical Appearance	By Visual Examination	Clear	Clear
2	*Odour	IS:3025 Part 05: 1983 Reaffirmed 2002	Agreeable	Agreeable
3	*Sulphate (as SO <sub>4</sub> ) mg/l	APHA	1.50	Max. 200 mg/l
4	*Iron (as Fe) mg/l	ASTM E 1615-05	0.30	Max. 0.3 mg/l
5	*Total Hardness (as CaCO <sub>3</sub> ) mg/l	IS:3025 Part 21:1983 Reaffirmed 2019	56.00	Max. 200 mg/l
6	*Turbidity NTU	IS:3025 Part 10:2023	0.22	Max. 1.0 NTU
7	*Fluoride (As F) mg/l	IS:3025 Part 60:2008 Reaffirmed 2019	0.20	Max. 1.0 mg/l
8	*Chloride (as Cl) mg/l	ASTM Methods D4646-87	15.90	Max. 250 mg/l
9	*Nitrate (As NO <sub>3</sub> ) mg/lit	IS:3025 Part 34:1988 Reaffirmed 2019	1.10	Max. 45 mg/l
10	*Total Alkalinity as Calcium Carbonate mg/l	IS:3025 Part 23:1986 Reaffirmed 2019	43.00	Max. 200 mg/l
11	*pH	IS:3025 Part 11:1983 Reaffirmed 2006	6.99	6.5-8.5
12	*Total Dissolved Solids mg/lit	By TDS Electrode	88.20	Max. 500 mg/l
13	*Calcium (as Ca) mg/l	ASTM D-511	13.20	Max. 75 mg/l
14	*Ammonia (as Total Ammonia-N) mg/l	IS:3025 Part 34:1988 Reaffirmed 2019	0.00	Max. 0.5 mg/l

**OPINION:** The sample of Drinking Water conforms to the standards of Drinking water prescribed in BIS Specification no. IS 10500 : 2012 (Reaffirmed 2018), hence chemically fit for drinking purpose for the parameters tested.

Issued Date: 07 March 2024

Reviewed by: Mrs. Nidhi Parab

Copy to:

AUTHORISED SIGNATORY  
**Shri. Samadhan S. Sanap**  
Assistant Analyst

-- End of Report --

**Notes:**

1. Sample(s) not drawn by MAL, & the results apply to the sample(s) as received & tested at the laboratory for applicable parameters.
  2. Total liability of MAL, is limited to received sample quantity.
  3. Analysis Report will not be reproduced partly or fully, without written approval from MAL.
  4. It is distinctly understood that this report will not be used for advertisement purpose.
- \* Indicates that the parameters are not accredited under NABL Scope.  
# indicates information supplied by the customer for which the laboratory has no control.



**DR. JAPASREE MUKHERJEE**  
PRINCIPAL  
Ph.D., M.Sc., B.Ed.  
MARVE ROAD, OPP. HDFC BANK,  
MALAD (WEST), MUMBAI-400 064.  
MAHARASHTRA  
AFFILIATION NO.-1130670

MANAGER  
ORCHIDS-THE INTERNATIONAL SCHOOL  
MARVE ROAD, OPP. HDFC BANK,  
BEHIND GARDEN COURT RESTAURANT,  
ORLEM, MALAD (WEST), MUMBAI-400 064.  
MAHARASHTRA  
AFFILIATION NO: 1130670



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**Analysis Report**



TC-9129

# Customer Name & Address	ULR NO.	TC912924100007642F
Orchids The International School Marve Road, Opp. HDFC Bank, Behind Garden Court Restaurant, Malad West, Mumbai 400064	REPORT NO.	11799/040320242
	Date of Receipt	04 March 2024
	Quantity	100 ml
# Sample Name: Drinking Water	Discipline	Biological Testing
# Sample Details:	Group	Water
# Other Information:	Analysis Start on	04 March 2024
	Completed on	05 March 2024

(i) Sample Description: The given water sample received in glass bottle.

(ii) Physical Appearance: Normal and Clear

Sr.No.	Quality Characteristics	Nature of Method of test used	Results	Acceptable limits prescribed in IS 10500 : 2012 (Reaffirmed 2018)
1	Coliform Bacteria per 100 ml	IS 15185:2016 Reaffirmed 2021	Absent	Shall not be detectable in any 100ml sample
2	E. Coli Bacteria per 100 ml	IS 15185:2016 Reaffirmed 2021	Absent	Shall not be detectable in any 100ml sample

**OPINION:** The sample of Drinking Water conforms to the standards prescribed in IS:10500 of 2012(Reaffirmed 2018) hence bacteriologically safe for drinking purpose for the parameters tested.

Issued Date: 06 March 2024

Reviewed by: Mrs. Vijeyata Garud

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11/03/24  
AUTHORISED SIGNATORY  
Smt. Vijayata S. Garud  
Assistant Analyst

-- End of Report --

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