



Date: 20th November 2024



UNICEF (Green Club) OCP

A.Y.2024-25

Report on Quality Testing of drinking water on the college campus

1. Title – Sterility test for drinking water.

2. Objective – The sterility test for drinking water obtained from a college water filter ensures that the water is free from viable microorganisms, including bacteria, fungi, and other pathogens. This test helps confirm the microbiological purity and safety of the water for consumption, reducing the risk of waterborne diseases and ensuring compliance with health and safety standards. It is a crucial part of water quality control to protect public health.

3. Date and Time of the Activity – The activity is conducted on 16th November 2024 from 11:00 am onwards

4. Venue – Oriental College of Pharmacy (Lab no. 308)

5.No. of activists – Co-ordinators – 04 & Volunteers – 03

6. Methodology

- Sample Collected

Water samples were collected from the college's water filter system.

- Filtration process

The collected water was filtered using the membrane filtration method. The water sample was passed through a membrane filter, which was then placed in the membrane filtration unit.

Plot No. 3,4 & 5 Sector -2, Near Sanpada Railway Station, Sanpada, Navi Mumbai – 400705.

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- Preparation for testing

The membrane filter was carefully cut into two halves.

Half 1: Placed in a Fluid Thioglycolate Medium test tube (FTM).

Half 2: Placed in a test tube containing Soybean Casein Digest Medium (SCDM).

- Incubation

Both test tubes were incubated at 37°C for a specified duration to allow for microbial growth, if present.

7. Results and Observation

No turbidity was observed in either the FTM or SCDM test tubes, indicating an absence of microbial growth.

8. Conclusion

The absence of turbidity in both media indicates that the water sample collected from the college's water filter is sterile and free from viable microorganisms. This suggests that the water meets microbiological safety standards and is suitable for consumption

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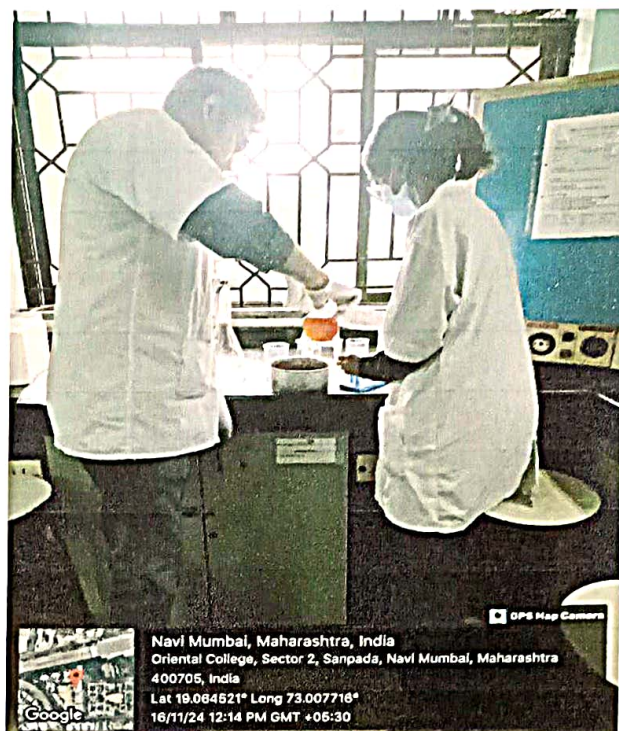
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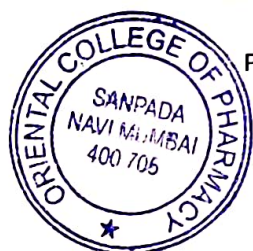


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Quality Testing of drinking water on the college campus activity



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**Co-ordinator List**

Sr.no	Name	Class
1	Shifa Shah	S.Y.B.PHARM
2	Keisha Dhuri	S.Y.B.PHARM
3	Sharon Mathew	S.Y.B.PHARM
4	Unnati Jain	S.Y.B.PHARM

Volunteers List

Sr.no	Name	Class
1	Harsha Choudhary	S.Y.B.PHARM
2	Nidhi Bhamble	S.Y.B.PHARM
3	Ravindra Yadav	S.Y.B.PHARM


Dr. (Mrs.) Sudha Rathod

Principal


Dr. Amol Borade

UNICEF Green Club


Ms. Alveera Ansari

UNICEF Green Club

Dr. (Mrs.) Sudha Rathod
Principal

Faculty Coordinator

Faculty Co-Coordinator

Oriental College of Pharmacy

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