



DEPARTMENT OF MICROBIOLOGY, GOVT. MEDICAL COLLEGE AND
NEW CIVIL HOSPITAL, SURAT

TO,
P.H.C -UMRAKH
TA-BARODLI DIST: SURAT

DATE OF RECEIVING : 26.2.26

WATER CULTURE REPORT

REPORTING DATE: 1.03.26

LAB NO.	VILLAGE/ FALIYA	ADDRESS	SOURCE OF WATER(TANK/ PUMP/KUVO/ HANDPUMP)	DATE AND TIME WATER SAMPLE TAKEN	DATE OF SAMPLE SENT TO IN LAB.	*COLIFORM COUNT/100ML OF WATER	RESULT
142	BABEN-2	VASISHTHA GENESIS SCHOOL	PANI NI TANKI	26.2.26 10:00	26.2.26	MPN 3 [MOST PROBABLE NUMBER]	Satisfactory

INTERPRETATION:

Atleast 90% of all samples taken over 12 month period should have a zero coliform count per 100ml..
The coliform count should never exceed 5per 100ml water.

* Coliform count done by multiple tube method

° Sample inoculated over macconkey purple broth with neutral red for 48 hrs at 37°C.

Class	Grading	Coliform count/100ml (MPN)	E. Coli count per 100ml
Class 1	Excellent	0	0
Class 2	Satisfactory	1-3	0
Class 3	Suspicious	4-10	0
Class 4	Unsatisfactory	>10	1 or more

REMARKS:

Detection of coliform bacteria does not always indicate faecal contamination as some of them may be found in environment. Hence it is further tested by differential coliform count to detect the fecal E. coli.

LIMITATION:

Microbiology laboratory gives reports about only bacterial contamination in the water .physical and chemical analysis of water is not included in this report.

Report Prepared By	ALPANA C.	DARSHNA C
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DR.SUMMAIYA M. (MD)	DR.GEETA V. (MD)	DR.LATIKA S (MD)	DR.TANVI.S (MD)	DR. SANGEETA R. (MD)	DR. DIPAL J.(MD)
DR.YOGITA.M.(MD)	DR.ALPA.P.(MD)	DR.MANALI .S (MD)	DR.PURVI.G(MD)		