

LABORATORY
JALKAL VIBHAG NAGAR NIGAM , KANPUR
 ANALYTICAL TEST REPORT OF DRINKING WATER

DATE OF SAMPLING - 4.9.23
 SOURCE OF SAMPLE - Oxford Model Senior Secondary School, Maharajpur, Kanpur
 SAMPLE COLLECTION BY-

PHYSICAL - CHARACTERISTICS

PARAMETERS	VALUE	DESIRABLE LIMIT	SPECIFICATIONS PERMISSIBLE LIMIT IN ABSENCE OF ALTERNATE SOURCE
1	2	3	4
APPEARANCE (VISUAL)	Clear	-	-
TEMPERATURE °C		-	-
COLOUR, HAZEN UNITS, MAX,	Colourless	5	25
TURBIDITY, NTU, MAX	0.3	5	10
PH	7.6	6.5 To 8.5	No relaxation

CHEMICAL - CHARACTERISTICS
 (ALL VALUES IN Mg/L)

PARAMETERS	VALUE	DESIRABLE LIMIT	SPECIFICATIONS PERMISSIBLE LIMIT IN ABSENCE OF ALTERNATE SOURCE
1	2	3	4
TOTAL DISSOLVED SOLIDS MAX	530	500	2000
TOTAL ALKALINITY AS CaCO ₃ MAX	192	200	600
P-ALKALINITY AS CaCO ₃ MAX	Nil	-	-
TOTAL HARDNESS AS CaCO ₃ MAX	264	300	600
OXYGEN ABSORBED FROM KMnO ₄ IN 3 HRS AT 37°C. MAX	1.0	-	-
CALCIUM AS Ca ⁺⁺ MAX	38.4	75	No relaxation
MAGNESIUM AS Mg ⁺⁺ MAX	40.824	30	200
CHLORIDES AS Cl ⁻ MAX	82	250	150
SULPHATES AS SO ₄ ⁻ MAX	122	300	1000
NITRATES NO ₃ ⁻ MAX	Traces	45	400
NITRITES AS N MAX	Nil	Nil	100
CHROMIUM AS Cr ⁺⁶ MAX	Nil	0.05	No relaxation
IRON AS Fe MAX	0.15	0.3	No relaxation
FLUORIDES AS F MAX	Traces	1.0	1.0
RESIDUAL FREE CHLORIDE MIN	-	0.2	1.5

REMARK Chemically water is potable

Smits
6/9/23

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