

**KATHMANDU UPATYAKA KHANEPANI LIMITED**  
**Water / Waste Water Quality Assurance Division , Mahankalchaur**  
**Laboratory Record Of Chemical & Bacteriological Analysis Of Water**  
**Chaitra 2078**

S.No.	Date	Branch	Location	Sample taken	Turbidity	Colour	p <sup>H</sup>	E.C.	Total Alkalinity	Total Hardness	Total Iron	Total Ammonia	Chloride	F.R.C.	Total Coliforms	Remarks
Units					(NTU)	(TCU)	pH	µs/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	/100ml	
National Drinking Water Quality Standard (NDWQS)					5 (10)	5 (15)	6.5-8.5	1500		500	0.3 (3)	1.5	250	0.1-0.2	0 in 95% Samples	
1	2078/12/01	Maharajgunj	Bansbari WTP	Treated	Clear/0.32	<5	7.1	62.6	18	16	0.1	0.02	5.76	0.6	0	Satisfactory
2	2078/12/01	Madhyapur Thimi	Bode WTP	Treated	Clear/1.95	<5	6.6	290.0	60	58	0.3	1.8	11.5	0.3	0	Satisfactory
3	2078/12/01	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.99	<5	8.1	60.9	18	14	0.1	0.02	5.76	0.6	0	Satisfactory
4	2078/12/01	Lalitpur	Sainbu WTP	Treated	Clear/2.01	<5	7.6	223.0	78	98	0.1	0.02	5.76	0.8	0	Satisfactory
5	2078/12/02	Maharajgunj	Bansbari WTP	Treated	Clear/0.26	<5	7.1	68.2	18	16	0.1	0.02	5.76	0.5	0	Satisfactory
6	2078/12/02	Madhyapur Thimi	Bode WTP	Treated	Clear/1.41	<5	6.9	296.0	68	66	0.3	1.8	11.52	0.3	0	Satisfactory
7	2078/12/02	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.2	<5	7.6	50.7	16	14	0.1	0.02	5.76	0.6	0	Satisfactory
8	2078/12/02	Lalitpur	Sainbu WTP	Treated	Clear/1.75	<5	7.4	244.0	84	104	0.1	0.02	5.76	0.8	0	Satisfactory
9	2078/12/03	Maharajgunj	Bansbari WTP	Treated	Clear/0.54	<5	7.1	65.2	18	16	0.1	0.02	5.76	0.6	0	Satisfactory
10	2078/12/04	Madhyapur Thimi	Bode WTP	Treated	Clear/2.15	<5	6.8	285.0	68	66	0.3	1.8	11.56	0.4	0	Satisfactory
11	2078/12/04	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.3	<5	6.9	66.0	22	14	0.1	0.02	5.76	0.6	0	Satisfactory
12	2078/12/04	Lalitpur	Sainbu WTP	Treated	Clear/0.66	<5	7.6	264.0	92	102	0.1	0.02	5.76	0.8	0	Satisfactory
13	2078/12/04	Maharajgunj	Bansbari WTP	Treated	Clear/0.54	<5	7.1	67.4	20	14	0.1	0.02	5.76	0.7	0	Satisfactory
14	2078/12/05	Maharajgunj	Bansbari WTP	Treated	Clear/0.72	<5	6.9	67.0	18	16	0.1	0.02	5.76	0.5	0	Satisfactory
15	2078/12/06	Madhyapur Thimi	Bode WTP	Treated	Clear/1.22	<5	6.8	270.0	68	64	0.3	1.8	11.52	0.8	0	Satisfactory
16	2078/12/06	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/3.1	<5	7.9	48.0	18	14	0.1	0.02	5.76	0.7	0	Satisfactory
17	2078/12/06	Maharajgunj	Bansbari WTP	Treated	Clear/0.46	<5	7.1	67.3	18	22	0.1	0.02	5.76	0.4	0	Satisfactory
18	2078/12/06	Lalitpur	Sainbu WTP	Treated	Clear/2.11	<5	7.7	248.0	90	104	0.1	0.02	5.76	0.8	0	Satisfactory
19	2078/12/07	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.3	<5	7.4	47.5	16	14	0.1	0.02	5.76	0.6	0	Satisfactory
20	2078/12/07	Lalitpur	Sainbu WTP	Treated	Clear/1.13	<5	7.6	238.0	86	102	0.1	0.02	5.76	0.6	0	Satisfactory
21	2078/12/07	Maharajgunj	Bansbari WTP	Treated	Clear/0.50	<5	7.1	65.4	16	24	0.1	0.02	5.76	0.6	0	Satisfactory
22	2078/12/07	Madhyapur Thimi	Bode WTP	Treated	Clear/2.31	<5	6.7	273.0	66	60	0.3	1.8	11.52	0.5	0	Satisfactory
23	2078/12/08	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/3.7	<5	6.9	63.4	18	14	0.1	0.02	5.76	0.6	0	Satisfactory
24	2078/12/08	Lalitpur	Sainbu WTP	Treated	Clear/1.82	<5	7.6	234.0	88	100	0.1	0.02	5.76	0.5	0	Satisfactory
25	2078/12/08	Maharajgunj	Bansbari WTP	Treated	Clear/0.26	<5	7.1	69.3	22	24	0.1	0.02	5.76	0.5	0	Satisfactory
26	2078/12/08	Madhyapur Thimi	Bode WTP	Treated	Clear/1.29	<5	6.8	303.0	68	52	0.3	1.8	11.52	0.8	0	Satisfactory
27	2078/12/09	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/2.9	<5	6.8	65.7	18	14	0.1	0.02	3.84	0.6	0	Satisfactory
28	2078/12/09	Maharajgunj	Bansbari WTP	Treated	Clear/0.26	<5	7.1	66.6	18	24	0.1	0.02	5.76	0.3	0	Satisfactory
29	2078/12/09	Madhyapur Thimi	Bode WTP	Treated	Clear/0.97	<5	6.7	277.0	68	68	0.3	1.8	11.52	0.5	0	Satisfactory
30	2078/12/09	Lalitpur	Sainbu WTP	Treated	Clear/2.36	<5	7.5	243.0	84	102	0.1	0.02	5.76	0.6	0	Satisfactory
31	2078/12/10	Maharajgunj	Bansbari WTP	Treated	Clear/0.14	<5	7.1	65.3	16	24	0.1	0.02	5.76	0.6	0	Satisfactory
32	2078/12/10	Madhyapur Thimi	Bode WTP	Treated	Clear/0.93	<5	6.7	304.0	68	60	0.3	1.8	11.52	0.8	0	Satisfactory
33	2078/12/10	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/3.4	<5	7.5	50.5	14	12	0.1	0.02	3.84	0.4	0	Satisfactory
34	2078/12/10	Lalitpur	Sainbu WTP	Treated	Clear/1.38	<5	7.5	249.0	90	104	0.1	0.02	5.76	0.6	0	Satisfactory

35	2078/12/11	Maharajgunj	Bansbari WTP	Treated	Clear/0.10	<5	7.1	69.0	16	24	0.1	0.02	5.76	0.5	0	Satisfactory
36	2078/12/11	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.4	<5	7.2	52.5	16	14	0.1	0.02	3.84	0.3	0	Satisfactory
37	2078/12/11	Madhyapur Thimi	Bode WTP	Treated	Clear/0.78	<5	6.8	299.0	66	68	0.3	1.8	11.52	0.4	0	Satisfactory
38	2078/12/11	Maharajgunj	Bansbari WTP	Treated	Clear/0.44	<5	7.1	63.4	16	22	0.1	0.02	5.76	0.6	0	Satisfactory
39	2078/12/12	Maharajgunj	Bansbari WTP	Treated	Clear/0.84	<5	7.1	65.4	18	24	0.1	0.02	5.76	0.5	0	Satisfactory
40	2078/12/13	Madhyapur Thimi	Bode WTP	Treated	Clear/0.98	<5	6.8	277.0	66	62	0.3	1.8	11.52	0.3	0	Satisfactory
41	2078/12/13	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.8	<5	7.7	37.5	14	12	0.1	0.02	3.84	0.6	0	Satisfactory
42	2078/12/13	Lalitpur	Sainbu WTP	Treated	Clear/3.72	<5	7.5	254.0	90	104	0.1	0.02	5.76	0.7	0	Satisfactory
43	2078/12/13	Maharajgunj	Bansbari WTP	Treated	Clear/0.22	<5	7.1	66.6	18	24	0.1	0.02	5.76	0.6	0	Satisfactory
44	2078/12/14	Madhyapur Thimi	Bode WTP	Treated	Clear/0.95	<5	6.8	288.0	68	60	0.3	1.8	11.52	0.3	0	Satisfactory
45	2078/12/14	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.3	<5	7.2	44.3	18	12	0.1	0.02	5.76	0.6	0	Satisfactory
46	2078/12/14	Lalitpur	Sainbu WTP	Treated	Clear/1.66	<5	7.5	234.0	86	100	0.1	0.02	5.76	0.8	0	Satisfactory
47	2078/12/14	Maharajgunj	Bansbari WTP	Treated	Clear/0.30	<5	7.1	61.2	18	24	0.1	0.02	5.76	0.7	0	Satisfactory
48	2078/12/15	Madhyapur Thimi	Bode WTP	Treated	Clear/0.97	<5	6.8	280.0	68	64	0.3	1.8	7.68	0.2	0	Satisfactory
49	2078/12/15	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.3	<5	7.4	43.1	20	12	0.1	0.02	3.84	0.6	0	Satisfactory
50	2078/12/15	Maharajgunj	Bansbari WTP	Treated	Clear/0.38	<5	7.1	65.4	18	22	0.1	0.02	5.76	0.6	0	Satisfactory
51	2078/12/15	Lalitpur	Sainbu WTP	Treated	Clear/1.61	<5	7.5	242.0	84	102	0.1	0.02	5.76	0.6	0	Satisfactory
52	2078/12/16	Maharajgunj	Bansbari WTP	Treated	Clear/0.28	<5	7.1	66.6	18	24	0.1	0.02	5.76	0.6	0	Satisfactory
53	2078/12/16	Madhyapur Thimi	Bode WTP	Treated	Clear/1.87	<5	6.7	287.0	68	68	0.3	1.8	11.52	0.2	0	Satisfactory
54	2078/12/16	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/4.6	<5	6.9	52.8	16	12	0.1	0.02	5.76	0.5	0	Satisfactory
55	2078/12/16	Lalitpur	Sainbu WTP	Treated	Clear/3.32	<5	7.5	233.0	82	98	0.1	0.02	5.76	0.6	0	Satisfactory
56	2078/12/17	Madhyapur Thimi	Bode WTP	Treated	Clear/1.77	<5	6.7	297.0	70	64	0.3	1.8	11.52	0.3	0	Satisfactory
57	2078/12/17	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.9	<5	6.8	66.1	18	12	0.1	0.02	5.76	0.6	0	Satisfactory
58	2078/12/17	Maharajgunj	Bansbari WTP	Treated	Clear/0.96	<5	7.1	61.2	16	24	0.1	0.02	5.76	0.6	0	Satisfactory
59	2078/12/17	Lalitpur	Sainbu WTP	Treated	Clear/1.37	<5	7.5	234.0	72	102	0.1	0.02	5.76	0.5	0	Satisfactory
60	2078/12/18	Maharajgunj	Bansbari WTP	Treated	Clear/0.82	<5	7.1	65.0	18	22	0.1	0.02	5.76	0.5	0	Satisfactory
61	2078/12/19	Maharajgunj	Bansbari WTP	Treated	Clear/0.64	<5	7.1	64.4	16	24	0.1	0.02	5.76	0.5	0	Satisfactory
62	2078/12/20	Madhyapur Thimi	Bode WTP	Treated	Clear/2.2	<5	6.8	309.0	68	68	0.3	1.8	9.6	0.2	0	Satisfactory
63	2078/12/20	Maharajgunj	Bansbari WTP	Treated	Clear/0.83	<5	7.1	67.2	18	26	0.1	0.02	5.76	0.6	0	Satisfactory
64	2078/12/20	Lalitpur	Sainbu WTP	Treated	Clear/2.36	<5	7.5	226.0	74	104	0.1	0.02	5.76	0.8	0	Satisfactory
65	2078/12/20	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.9	<5	6.7	49.3	14	10	0.1	0.02	3.84	0.2	0	Satisfactory
66	2078/12/21	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.88	<5	7.4	48.0	14	12	0.1	0.02	5.76	0.6	0	Satisfactory
67	2078/12/21	Maharajgunj	Bansbari WTP	Treated	Clear/0.36	<5	7.1	68.1	18	24	0.1	0.02	5.76	0.6	0	Satisfactory
68	2078/12/21	Lalitpur	Sainbu WTP	Treated	Clear/1.95	<5	7.5	231.0	84	98	0.1	0.02	5.76	0.6	0	Satisfactory
69	2078/12/21	Madhyapur Thimi	Bode WTP	Treated	Clear/2.84	<5	6.9	320.0	74	68	0.3	1.8	11.52	0.3	0	Satisfactory
70	2078/12/22	Maharajgunj	Bansbari WTP	Treated	Clear/0.40	<5	7.1	65.7	16	24	0.1	0.02	5.76	0.5	0	Satisfactory
71	2078/12/22	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.95	<5	7.9	52.8	14	12	0.1	0.02	5.76	0.6	0	Satisfactory
72	2078/12/22	Madhyapur Thimi	Bode WTP	Treated	Clear/2.5	<5	6.8	324.0	70	72	0.3	1.8	9.6	0.3	0	Satisfactory
73	2078/12/22	Lalitpur	Sainbu WTP	Treated	Clear/2.35	<5	7.3	236.0	86	98	0.1	0.02	5.76	0.5	0	Satisfactory
74	2078/12/23	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.37	<5	7.6	61.0	18	12	0.1	0.02	5.76	0.6	0	Satisfactory
75	2078/12/23	Maharajgunj	Bansbari WTP	Treated	Clear/0.41	<5	7.1	65.7	16	24	0.1	0.02	5.76	0.5	0	Satisfactory
76	2078/12/23	Madhyapur Thimi	Bode WTP	Treated	Clear/2.1	<5	6.7	304.0	68	72	0.3	1.8	11.52	0.5	0	Satisfactory
77	2078/12/23	Lalitpur	Sainbu WTP	Treated	Clear/2.71	<5	7.5	245.0	88	98	0.1	0.02	5.76	0.5	0	Satisfactory
78	2078/12/24	Maharajgunj	Bansbari WTP	Treated	Clear/0.42	<5	7.1	66.3	18	24	0.1	0.02	5.76	0.5	0	Satisfactory

79	2078/12/24	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.58	<5	6.8	73.1	22	12	0.1	0.02	5.76	0.5	0	Satisfactory
80	2078/12/24	Madhyapur Thimi	Bode WTP	Treated	Clear/2.32	<5	6.7	303.0	70	68	0.3	1.8	9.6	0.3	0	Satisfactory
81	2078/12/24	Lalitpur	Sainbu WTP	Treated	Clear/2.71	<5	7.5	227.0	80	98	0.1	0.02	5.76	0.8	0	Satisfactory
82	2078/12/25	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.21	<5	7.5	60.1	20	14	0.1	0.02	5.76	0.5	0	Satisfactory
83	2078/12/25	Madhyapur Thimi	Bode WTP	Treated	Clear/1.62	<5	6.6	289.0	66	60	0.2	1.8	11.5	0.2	0	Satisfactory
84	2078/12/25	Lalitpur	Sainbu WTP	Treated	Clear/1.88	<5	7.6	239.0	78	102	0.1	0.02	5.76	0.6	0	Satisfactory
85	2078/12/25	Maharajgunj	Bansbari WTP	Treated	Clear/0.62	<5	7.1	67.9	18	26	0.1	0.02	5.76	0.5	0	Satisfactory
86	2078/12/26	Maharajgunj	Bansbari WTP	Treated	Clear/0.44	<5	7.1	67.2	18	24	0.1	0.02	5.76	0.5	0	Satisfactory
87	2078/12/27	Maharajgunj	Bansbari WTP	Treated	Clear/0.63	<5	7.1	65.3	18	24	0.1	0.02	5.76	0.4	0	Satisfactory
88	2078/12/27	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.76	<5	7.7	59.8	19	14	0.1	0.02	5.76	0.2	0	Satisfactory
89	2078/12/27	Madhyapur Thimi	Bode WTP	Treated	Clear/0.65	<5	6.9	266.0	64	58	0.3	1.8	9.6	0.2	0	Satisfactory
90	2078/12/28	Maharajgunj	Bansbari WTP	Treated	Clear/0.66	<5	6.9	65.1	16	26	0.1	0.02	5.76	0.5	0	Satisfactory
91	2078/12/28	Madhyapur Thimi	Bode WTP	Treated	Clear/0.68	<5	6.7	299.0	66	66	0.3	1.8	9.6	0.2	0	Satisfactory
92	2078/12/28	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/4.9	<5	7.9	77.6	24	14	0.1	0.02	5.76	0.2	0	Satisfactory
93	2078/12/29	Maharajgunj	Bansbari WTP	Treated	Clear/0.70	<5	6.9	68.0	18	24	0.1	0.02	5.76	0.5	0	Satisfactory
94	2078/12/29	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/3.15	<5	7.8	53.7	18	14	0.1	0.02	5.76	0.2	0	Satisfactory
95	2078/12/29	Madhyapur Thimi	Bode WTP	Treated	Clear/0.73	<5	6.7	296.0	66	64	0.3	1.8	9.6	0.2	0	Satisfactory
96	2078/12/30	Maharajgunj	Bansbari WTP	Treated	Clear/0.74	<5	6.9	65.1	16	24	0.1	0.02	5.76	0.5	0	Satisfactory
97	2078/12/30	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.88	<5	6.8	67.2	18	14	0.1	0.02	5.76	0.2	0	Satisfactory
98	2078/12/30	Madhyapur Thimi	Bode WTP	Treated	Clear/0.76	<5	6.7	331.0	70	72	0.3	1.8	9.6	0.2	0	Satisfactory