

**KATHMANDU UPATYAKA KHANEPANI LIMITED**  
**Water / Waste Water Quality Assurance Division , Mahankalchaur**  
**Laboratory Record Of Chemical & Bacteriological Analysis Of Water**  
**Poush 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
<b>Units</b>					(NTU)	(TCU)	pH	µs/cm	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	/100ml	
<b>National Drinking Water Quality Standard (NDWQS)</b>					<b>5 (10)</b>	<b>5 (15)</b>	<b>6.5-8.5</b>	<b>1500</b>		<b>500</b>	<b>0.3 (3)</b>	<b>1.5</b>	<b>250</b>	<b>0.1-0.2</b>	<b>0 in 95% Samples</b>	
1	2078/09/01	Maharajgunj	Bansbari WTP	Treated	Clear/1.67	<5	6.9	50	14	8	0.1	0.02	2.4	0.5	0	Satisfactory
2	2078/09/01	Madhyapur Thimi	Bode WTP	Treated	Clear/1.34	<5	6.6	334	60	58	0.3	1.8	13.44	0.2	0	Satisfactory
3	2078/09/01	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.03	<5	7.2	74	12	14	0.1	0.02	5.76	0.4	0	Satisfactory
4	2078/09/01	Lalitpur	Sainbu WTP	Treated	Clear/0.23	<5	7.8	221	82	100	0.1	0.02	5.76	0.5	0	Satisfactory
5	2078/09/02	Lalitpur	Sainbu WTP	Treated	Clear/0.18	<5	8.0	240	90	104	0.1	0.02	5.76	0.7	0	Satisfactory
6	2078/09/02	Maharajgunj	Bansbari WTP	Treated	Clear/1.52	<5	6.9	48	14	8	0.1	0.02	3.2	0.5	0	Satisfactory
7	2078/09/02	Madhyapur Thimi	Bode WTP	Treated	Clear/1.56	<5	7.1	374	60	58	0.3	1.8	9.6	0.6	0	Satisfactory
8	2078/09/02	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.4	<5	7.7	84	14	16	0.1	0.02	5.76	0.9	0	Satisfactory
9	2078/09/03	Maharajgunj	Bansbari WTP	Treated	Clear/1.82	<5	6.8	47	14	10	0.1	0.02	3.2	0.4	0	Satisfactory
10	2078/09/04	Maharajgunj	Bansbari WTP	Treated	Clear/1.63	<5	6.9	48	14	8	0.1	0.02	2.4	0.5	0	Satisfactory
11	2078/09/04	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	6.6	43	12	14	0.1	0.02	5.76	0.8	0	Satisfactory
12	2078/09/05	Lalitpur	Sainbu WTP	Treated	Clear/0.51	<5	7.7	250	92	106	0.1	0.02	5.76	0.5	0	Satisfactory
13	2078/09/05	Madhyapur Thimi	Bode WTP	Treated	Clear/1.33	<5	6.7	334	54	60	0.3	1.8	9.6	0.2	0	Satisfactory
14	2078/09/05	Maharajgunj	Bansbari WTP	Treated	Clear/1.72	<5	6.9	51	16	10	0.1	0.02	2.4	0.6	0	Satisfactory
15	2078/09/05	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.3	<5	7.5	51	14	16	0.1	0.02	5.76	0.6	0	Satisfactory
16	2078/09/06	Lalitpur	Sainbu WTP	Treated	Clear/0.41	<5	7.6	256	92	108	0.1	0.02	7.68	0.7	0	Satisfactory
17	2078/09/06	Madhyapur Thimi	Bode WTP	Treated	Clear/2.67	<5	6.7	300	64	62	0.3	1.8	9.6	0.2	0	Satisfactory
18	2078/09/06	Maharajgunj	Bansbari WTP	Treated	Clear/2.02	<5	6.8	55	18	10	0.1	0.02	2.4	0.4	0	Satisfactory
19	2078/09/06	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.9	<5	6.9	40	12	14	0.1	0.02	5.76	0.5	0	Satisfactory
20	2078/09/07	Lalitpur	Sainbu WTP	Treated	Clear/0.59	<5	8.0	258	94	108	0.1	0.02	5.76	0.5	0	Satisfactory
21	2078/09/07	Madhyapur Thimi	Bode WTP	Treated	Clear/1.83	<5	6.8	335	60	64	0.3	1.8	9.6	0.3	0	Satisfactory
22	2078/09/07	Maharajgunj	Bansbari WTP	Treated	Clear/1.13	<5	6.8	56	18	12	0.1	0.02	4.8	0.6	0	Satisfactory
23	2078/09/07	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.4	<5	7.5	45	12	12	0.1	0.02	5.76	0.5	0	Satisfactory
24	2078/09/08	Lalitpur	Sainbu WTP	Treated	Clear/0.43	<5	7.7	286	86	102	0.1	0.02	5.76	0.4	0	Satisfactory
25	2078/09/08	Madhyapur Thimi	Bode WTP	Treated	Clear/1.55	<5	7.1	321	60	58	0.3	1.6	9.6	0.5	0	Satisfactory
26	2078/09/08	Maharajgunj	Bansbari WTP	Treated	Clear/2.04	<5	6.8	51	14	8	0.1	0.02	3.2	0.5	0	Satisfactory
27	2078/09/08	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.51	<5	7.7	41	12	14	0.1	0.02	5.76	0.5	0	Satisfactory
28	2078/09/09	Lalitpur	Sainbu WTP	Treated	Clear/0.58	<5	7.5	245	90	104	0.1	0.02	7.68	0.8	0	Satisfactory
29	2078/09/09	Madhyapur Thimi	Bode WTP	Treated	Clear/1.02	<5	6.9	332	56	54	0.3	1.8	9.6	0.8	0	Satisfactory
30	2078/09/09	Maharajgunj	Bansbari WTP	Treated	Clear/2.32	<5	6.8	56	14	8	0.1	0.02	3.2	0.4	0	Satisfactory
31	2078/09/09	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.2	<5	7.5	44	12	14	0.1	0.02	5.76	0.3	0	Satisfactory
32	2078/09/10	Maharajgunj	Bansbari WTP	Treated	Clear/2.43	<5	6.9	54	14	10	0.1	0.02	3.2	0.5	0	Satisfactory
33	2078/09/11	Lalitpur	Sainbu WTP	Treated	Clear/0.41	<5	7.8	228	86	100	0.1	0.02	7.68	0.6	0	Satisfactory
34	2078/09/11	Madhyapur Thimi	Bode WTP	Treated	Clear/1.37	<5	6.6	320	54	64	0.3	1.8	9.6	0.3	0	Satisfactory

35	2078/09/11	Maharajgunj	Bansbari WTP	Treated	Clear/2.72	<5	6.9	54	14	10	0.1	0.02	3.2	0.7	0	Satisfactory
36	2078/09/11	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.3	<5	7.5	44	12	14	0.1	0.02	5.76	0.8	0	Satisfactory
37	2078/09/12	Lalitpur	Sainbu WTP	Treated	Clear/0.57	<5	7.8	260	94	104	0.1	0.02	7.68	0.8	0	Satisfactory
38	2078/09/12	Madhyapur Thimi	Bode WTP	Treated	Clear/1.56	<5	6.8	316	56	52	0.3	1.8	9.6	0.2	0	Satisfactory
39	2078/09/12	Maharajgunj	Bansbari WTP	Treated	Clear/2.84	<5	6.9	53	12	10	0.1	0.02	3.2	0.5	0	Satisfactory
40	2078/09/12	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	7.7	54	14	16	0.1	0.02	5.76	0.4	0	Satisfactory
41	2078/09/13	Lalitpur	Sainbu WTP	Treated	Clear/0.11	<5	7.8	253	94	102	0.1	0.02	5.76	0.5	0	Satisfactory
42	2078/09/13	Madhyapur Thimi	Bode WTP	Treated	Clear/1.82	<5	6.9	360	54	56	0.3	1.8	9.6	0.2	0	Satisfactory
43	2078/09/13	Maharajgunj	Bansbari WTP	Treated	Clear/2.35	<5	6.9	50	10	10	0.1	0.02	3.2	0.6	0	Satisfactory
44	2078/09/13	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	7.5	49	14	16	0.1	0.02	5.76	0.2	0	Satisfactory
45	2078/09/14	Madhyapur Thimi	Bode WTP	Treated	Clear/1.2	<5	6.9	341	60	52	0.3	1.8	9.6	0.3	0	Satisfactory
46	2078/09/14	Maharajgunj	Bansbari WTP	Treated	Clear/2.13	<5	6.9	55	14	12	0.1	0.02	4.8	0.5	0	Satisfactory
47	2078/09/14	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	7.9	55	12	14	0.1	0.02	5.76	0.9	0	Satisfactory
48	2078/09/15	Maharajgunj	Bansbari WTP	Treated	Clear/3.04	<5	6.8	50	12	10	0.1	0.02	3.2	0.6	0	Satisfactory
49	2078/09/16	Lalitpur	Sainbu WTP	Treated	Clear/0.81	<5	7.6	241	96	106	0.1	0.02	5.76	0.9	0	Satisfactory
50	2078/09/16	Madhyapur Thimi	Bode WTP	Treated	Clear/1.5	<5	6.9	363	60	62	0.3	1.8	9.6	0.6	0	Satisfactory
51	2078/09/16	Maharajgunj	Bansbari WTP	Treated	Clear/2.72	<5	6.9	57	14	12	0.1	0.02	3.2	0.4	0	Satisfactory
52	2078/09/16	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	7.4	59	14	16	0.1	0.02	5.76	0.8	0	Satisfactory
53	2078/09/17	Lalitpur	Sainbu WTP	Treated	Clear/0.92	<5	7.6	231	94	100	0.1	0.02	5.76	0.5	0	Satisfactory
54	2078/09/17	Madhyapur Thimi	Bode WTP	Treated	Clear/1.94	<5	6.9	321	64	66	0.3	1.8	9.6	0.2	0	Satisfactory
55	2078/09/17	Maharajgunj	Bansbari WTP	Treated	Clear/2.5	<5	6.9	63	18	12	0.1	0.02	3.2	0.5	0	Satisfactory
56	2078/09/18	Lalitpur	Sainbu WTP	Treated	Clear/1.14	<5	7.7	257	84	104	0.1	0.02	5.76	0.7	0	Satisfactory
57	2078/09/18	Madhyapur Thimi	Bode WTP	Treated	Clear/1.46	<5	7.1	321	52	50	0.3	1.8	13.4	0.2	0	Satisfactory
58	2078/09/18	Maharajgunj	Bansbari WTP	Treated	Clear/2.76	<5	6.9	55	14	12	0.1	0.02	4.8	0.4	0	Satisfactory
59	2078/09/18	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	7.8	47	12	14	0.1	0.02	5.76	0.2	0	Satisfactory
60	2078/09/19	Madhyapur Thimi	Bode WTP	Treated	Clear/1.23	<5	6.8	320	56	52	0.3	1.8	11.52	0.6	0	Satisfactory
61	2078/09/19	Maharajgunj	Bansbari WTP	Treated	Clear/2.37	<5	6.8	51	12	10	0.1	0.02	3.2	0.5	0	Satisfactory
62	2078/09/19	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.1	<5	7.8	52	12	14	0.1	0.02	3.84	0.3	0	Satisfactory
63	2078/09/20	Lalitpur	Sainbu WTP	Treated	Clear/0.77	<5	7.9	231	92	100	0.1	0.02	7.68	0.5	0	Satisfactory
64	2078/09/20	Madhyapur Thimi	Bode WTP	Treated	Clear/1.3	<5	6.9	315	58	56	0.3	1.8	11.52	0.3	0	Satisfactory
65	2078/09/20	Maharajgunj	Bansbari WTP	Treated	Clear/1.36	<5	6.8	57	16	10	0.1	0.02	3.2	0.4	0	Satisfactory
66	2078/09/20	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.5	<5	7.7	44	12	14	0.1	0.02	5.76	0.5	0	Satisfactory
67	2078/09/21	Lalitpur	Sainbu WTP	Treated	Clear/0.38	<5	7.9	250	88	108	0.1	0.02	7.68	0.4	0	Satisfactory
68	2078/09/21	Madhyapur Thimi	Bode WTP	Treated	Clear/1.2	<5	6.9	316	56	52	0.3	1.8	9.6	0.3	0	Satisfactory
69	2078/09/21	Maharajgunj	Bansbari WTP	Treated	Clear/2.67	<5	6.9	48	12	10	0.1	0.02	3.2	0.5	0	Satisfactory
70	2078/09/21	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.8	<5	7.7	50	14	12	0.1	0.02	5.76	0.2	0	Satisfactory
71	2078/09/22	Lalitpur	Sainbu WTP	Treated	Clear/0.72	<5	7.8	239	84	102	0.1	0.02	7.68	0.5	0	Satisfactory
72	2078/09/22	Madhyapur Thimi	Bode WTP	Treated	Clear/1.50	<5	6.8	359	60	62	0.3	1.8	9.8	0.1	0	Satisfactory
73	2078/09/22	Maharajgunj	Bansbari WTP	Treated	Clear/2.72	<5	6.9	52	14	8	0.1	0.02	3.2	0.5	0	Satisfactory
74	2078/09/22	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.76	<5	7.9	41	12	14	0.1	0.02	5.76	0.2	0	Satisfactory
75	2078/09/23	Lalitpur	Sainbu WTP	Treated	Clear/1.12	<5	7.7	231	90	100	0.1	0.02	7.68	0.5	0	Satisfactory
76	2078/09/23	Madhyapur Thimi	Bode WTP	Treated	Clear/1.4	<5	6.9	301	58	52	0.3	1.8	13.44	0.2	0	Satisfactory
77	2078/09/23	Maharajgunj	Bansbari WTP	Treated	Clear/2.5	<5	6.9	54	14	12	0.1	0.02	3.84	0.5	0	Satisfactory
78	2078/09/23	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.2	<5	7.6	55	12	14	0.1	0.02	5.76	0.6	0	Satisfactory

79	2078/09/24	Maharajgunj	Bansbari WTP	Treated	Clear/1.65	<5	6.9	57	16	10	0.1	0.02	5.76	0.5	0	Satisfactory
80	2078/09/25	Lalitpur	Sainbu WTP	Treated	Clear/0.69	<5	7.7	250	94	104	0.1	0.02	5.76	0.7	0	Satisfactory
81	2078/09/25	Madhyapur Thimi	Bode WTP	Treated	Clear/1.2	<5	6.8	306	60	54	0.3	1.8	9.6	0.2	0	Satisfactory
82	2078/09/25	Maharajgunj	Bansbari WTP	Treated	Clear/2.37	<5	6.9	67	18	12	0.1	0.02	5.76	0.5	0	Satisfactory
83	2078/09/25	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/0.99	<5	7.2	42	12	14	0.1	0.02	5.76	0.4	0	Satisfactory
84	2078/09/26	Madhyapur Thimi	Bode WTP	Treated	Clear/1.35	<5	6.9	345	64	60	0.3	1.8	13.4	0.2	0	Satisfactory
85	2078/09/26	Maharajgunj	Bansbari WTP	Treated	Clear/1.36	<5	6.9	57	16	12	0.1	0.02	5.76	0.5	0	Satisfactory
86	2078/09/26	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.01	<5	7.3	44	12	14	0.1	0.02	5.76	0.9	0	Satisfactory
87	2078/09/27	Madhyapur Thimi	Bode WTP	Treated	Clear/2.32	<5	7.1	322	58	54	0.3	1.8	13.4	0.3	0	Satisfactory
88	2078/09/27	Maharajgunj	Bansbari WTP	Treated	Clear/2.67	<5	6.9	58	16	10	0.1	0.02	5.76	0.6	0	Satisfactory
89	2078/09/27	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.2	<5	7.7	52	12	14	0.1	0.02	5.76	0.2	0	Satisfactory
90	2078/09/28	Lalitpur	Sainbu WTP	Treated	Clear/0.97	<5	7.7	258	92	110	0.1	0.02	7.68	0.6	0	Satisfactory
91	2078/09/28	Madhyapur Thimi	Bode WTP	Treated	Clear/1.43	<5	6.8	334	56	60	0.3	1.8	13.4	0.2	0	Satisfactory
92	2078/09/28	Maharajgunj	Bansbari WTP	Treated	Clear/3.04	<5	6.9	58	16	10	0.1	0.02	5.76	0.5	0	Satisfactory
93	2078/09/28	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.21	<5	7.4	45	12	14	0.1	0.02	5.76	0.2	0	Satisfactory
94	2078/09/29	Madhyapur Thimi	Bode WTP	Treated	Clear/1.56	<5	7.1	314	58	56	0.3	1.8	11.5	0.2	0	Satisfactory
95	2078/09/29	Maharajgunj	Bansbari WTP	Treated	Clear/2.94	<5	6.9	59	16	10	0.1	0.02	3.84	0.5	0	Satisfactory
96	2078/09/29	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/1.2	<5	7.3	50	12	14	0.1	0.02	5.76	0.5	0	Satisfactory
97	2078/09/30	Madhyapur Thimi	Bode WTP	Treated	Clear/2.46	<5	6.9	328	60	58	0.3	1.8	9.6	0.1	0	Satisfactory
98	2078/09/30	Maharajgunj	Bansbari WTP	Treated	Clear/3.04	<5	6.9	56	14	10	0.1	0.02	5.76	0.5	0	Satisfactory
99	2078/09/30	Mahankalchaur	Mahankalchaur WTP	Treated	Clear/3.43	<5	7.7	64	12	14	0.1	0.02	5.76	0.5	0	Satisfactory