

**KATHMANDU UPATYAKA KHANEPANI LIMITED**  
**Water / Waste Water Quality Assurance Division , KIRTIPUR**  
**Laboratory Record Of Chemical & Bacteriological Analysis Of Water**  
**Mangsir 2070**

| 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 Colifroms  | Remarks      |
|--|------------|------------------|----------------------|--------------|-----------|--------|----------------|-------|------------------|----------------|------------|---------------|----------|---------|------------------|--------------|
| Units  |            |                  |                      |              | (NTU)     | (TCU)  |                | µs/cm | mg/l             | mg/l           | mg/l       | mg/l          | mg/l     | mg/l    | 100/ml           |              |
| 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  | 2070/08/02 | Lalitpur         | Sainbu W.T.P         | Treated      | Clear/<5  | <5     | 7.9            | 242   | 122              | 130            | 0.1        | 0.02          | 7.68     | 0.5     | Nil              | Satisfactory |
| 2  | 2070/08/02 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.5            | 44    | 20               | 16             | 0.1        | 0.02          | 5.76     | 0.4     | Nil              | Satisfactory |
| 3  | 2070/08/03 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated      | Clear/<5  | <5     | 6.8            | 34    | 16               | 14             | 0.3        | 0.02          | 5.76     | 0.7     | Nil              | Satisfactory |
| 4  | 2070/08/06 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated      | Clear/<5  | <5     | 7.0            | 32    | 14               | 12             | 0.3        | 0.02          | 5.76     | 0.5     | Nil              | Satisfactory |
| 5  | 2070/08/06 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.4            | 40    | 18               | 16             | 0.1        | 0.02          | 5.76     | 0.5     | Nil              | Satisfactory |
| 6  | 2070/08/07 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.3            | 42    | 20               | 18             | 0.1        | 0.02          | 5.76     | 0.6     | Nil              | Satisfactory |
| 7  | 2070/08/08 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.2            | 48    | 22               | 18             | 0.1        | 0.02          | 5.76     | 0.4     | Nil              | Satisfactory |
| 8  | 2070/08/09 | Lalitpur         | Sainbu W.T.P         | Treated      | Clear/<5  | <5     | 8.0            | 246   | 124              | 130            | 0.1        | 0.02          | 7.68     | 0.5     | Nil              | Satisfactory |
| 9  | 2070/08/10 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated      | Clear/<5  | <5     | 6.9            | 32    | 14               | 12             | 0.3        | 0.02          | 5.76     | 0.7     | Nil              | Satisfactory |
| 10   | 2070/08/10 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.5            | 46    | 22               | 20             | 0.1        | 0.02          | 5.76     | 0.4     | Nil              | Satisfactory |
| 11   | 2070/08/12 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.4            | 44    | 20               | 16             | 0.1        | 0.02          | 5.76     | 0.4     | Nil              | Satisfactory |
| 12   | 2070/08/12 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.5            | 50    | 24               | 20             | 0.1        | 0.02          | 5.76     | 0.4     | Nil              | Satisfactory |
| 13   | 2070/08/13 | Maharajung       | Bansbari W.T.P.      | Treated      | Clear/<5  | <5     | 7.1            | 42    | 18               | 14             | 0.1        | 0.02          | 5.76     | 0.5     | Nil              | Satisfactory |
| 14   | 2070/08/14 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated      | Clear/<5  | <5     | 6.6            | 70    | 30               | 20             | 0.3        | 0.02          | 5.76     | 0.55    | Nil              | Satisfactory |
| 15   | 2070/08/14 | Madhayapur Thimi | Bode W.T.P           | Treated      | Clear/<5  | <5     | 6.3            | 480   | 64               | 90             | 0.3        | 0.02          | 44.0     | 0.5     | Nil              | Satisfactory |
| 16   | 2070/08/15 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated      | Clear/<5  | <5     | 6.9            | 36    | 18               | 12             | 0.2        | 0.02          | 5.76     | 0.5     | Nil              | Satisfactory |
| 17   | 2070/08/16 | Lalitpur         | Sainbu W.T.P         | Treated      | Clear/<5  | <5     | 7.9            | 250   | 120              | 130            | 0.1        | 0.02          | 7.68     | 0.5     | Nil              | Satisfactory |

|    |            |                  |                      |         |          |    |     |     |     |     |     |      |      |      |     |              |
|----|------------|------------------|----------------------|---------|----------|----|-----|-----|-----|-----|-----|------|------|------|-----|--------------|
| 18 | 2070/08/17 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 6.9 | 46  | 20  | 16  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 19 | 2070/08/18 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 6.9 | 48  | 22  | 20  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 20 | 2070/08/18 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 6.9 | 46  | 20  | 16  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 21 | 2070/08/20 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.5 | 50  | 24  | 20  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 22 | 2070/08/20 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated | Clear/<5 | <5 | 6.9 | 32  | 14  | 12  | 0.2 | 0.02 | 5.76 | 0.55 | Nil | Satisfactory |
| 23 | 2070/08/21 | Lalitpur         | Sainbu W.T.P         | Treated | Clear/<5 | <5 | 8.0 | 260 | 128 | 140 | 0.1 | 0.02 | 7.68 | 0.5  | Nil | Satisfactory |
| 24 | 2070/08/21 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.4 | 56  | 26  | 20  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 25 | 2070/08/22 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.3 | 50  | 24  | 20  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 26 | 2070/08/23 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.5 | 49  | 24  | 22  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 27 | 2070/08/24 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.4 | 54  | 26  | 22  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 28 | 2070/08/25 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated | Clear/<5 | <5 | 6.8 | 40  | 18  | 14  | 0.3 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 29 | 2070/08/25 | Madhayapur Thimi | Bode W.T.P           | Treated | Clear/<5 | <5 | 6.7 | 270 | 62  | 80  | 0.3 | 0.02 | 7.68 | 0.1  | Nil | Satisfactory |
| 30 | 2070/08/27 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 6.9 | 56  | 26  | 20  | 0.3 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 31 | 2070/08/28 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated | Clear/<5 | <5 | 6.8 | 34  | 16  | 14  | 0.3 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 32 | 2070/08/28 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.1 | 44  | 22  | 20  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 33 | 2070/08/29 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.2 | 50  | 24  | 20  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |
| 34 | 2070/08/29 | Mahankalchaur    | Mahankalchaur W.T.P. | Treated | Clear/<5 | <5 | 6.8 | 36  | 16  | 14  | 0.1 | 0.02 | 5.76 | 0.6  | Nil | Satisfactory |
| 35 | 2070/08/30 | Maharajung       | Bansbari W.T.P.      | Treated | Clear/<5 | <5 | 7.3 | 42  | 20  | 16  | 0.1 | 0.02 | 5.76 | 0.5  | Nil | Satisfactory |