

Ministry of Water Supply
Department of Water Supply & Sewerage
Federal Water Supply and Sewerage Management Project
Water Quality Testing Laboratory, Pokhara
Water Quality Test Report

| | |
|--|----------------------------|
| Sample Details: 1639 | |
| Sample Name: National Live Stock Breeding Office | Source Type: Boring(2) |
| Location: Pokhara-14, Lamapatan | Sampling Point: Tap |
| Sampling Method: Manual | Sampled By: Client |
| Contact Person: Bishnu Prasad Sharma | Contact No.: 9856035092 |
| Received Date: 2080/10/29 | Completed Date: 2080/11/08 |

Analyzed Parameters

Physical Parameters:

| S.N. | Parameters | Observed Value/s | NDWQS,2079 | Analyzed Method |
|------|---------------------------------|------------------|------------|-----------------------------|
| 1. | pH at 18.3 °C | 7.0 | 6.5-8.5 | 4500-H ⁺ B, APHA |
| 2. | Electrical conductivity (µs/cm) | 640 | 1500 | 2510 B, APHA |
| 3. | Turbidity (NTU) | 0.6 | 5.0 | 2130 B, APHA |
| 4. | TDS (mg/lit) | 298 | 1000 | Instrumental |

Chemical Parameters:

| S.N | Parameters | Observed Value/s | NDWQS | Analyzed Method |
|-----|--|------------------|----------|---|
| 1. | Total Hardness as CaCO ₃ (mg/lit) | 364 | 500 | 2340 C, APHA |
| 2. | Calcium (mg/lit) | 56 | 200 | 3500-Ca B, APHA |
| 3. | Chloride (mg/lit) | 8 | 250 | 4500 Cl ⁻ B, APHA |
| 4. | Ammonia (mg/lit) | <0.01 | 1.5 | 4500- NH ₃ F, APHA |
| 5. | Iron (mg/lit) | 0.05 | 0.3(3.0) | 3111 B, APHA |
| 6. | Nitrate (mg/lit) | <1 | 50 | 4500-NO ₃ ⁻ B, APHA |
| 7. | Arsenic (mg/lit) | ND | 0.05 | 3111 B, APHA |

Microbiological Parameters:

| S.N | Parameters | Observed Value/s | NDWQS | Analyzed Method |
|-----|-----------------------------|------------------|-------|-----------------|
| 1. | <i>E. Coli</i> (CFU/100 mL) | Nil | Nil | 9222 D, APHA |
| 2. | Total Coliform (CFU/100 mL) | Nil | Nil | 9222 B, APHA |

ND: Not Detected

Remarks: The tested parameters of the water sample was found to be in accordance with the NDWQS,2079.


Analyzed By


Approved By
कमिष्ट

Note:

- The entire test was conducted as per the National Drinking Water Quality Standard Guideline, 2079 BS (MoWS/GoN)
- For microbiological test, the water sample in sterilized containers is only accepted.
- If the received sample water volume is inadequate, it will be rejected for analysis.
- We are not compelled to accept the water samples in leak and damage bottles for analysis.

Ministry of Water Supply
Department of Water Supply & Sewerage
Federal Water Supply and Sewerage Management Project
Water Quality Testing Laboratory, Pokhara
Water Quality Test Report

| Sample Details: 1640 | |
|--|----------------------------|
| Sample Name: National Live Stock Breeding Office | Source Type: Boring(1) |
| Location: Pokhara-14, Lamapatan | Sampling Point: Tap |
| Sampling Method: Manual | Sampled By: Client |
| Contact Person: Bishnu Prasad Sharma | Contact No.: 9856035092 |
| Received Date: 2080/10/29 | Completed Date: 2080/10/04 |

Analyzed Parameters

Physical Parameters:

| S.N. | Parameters | Observed Value/s | NDWQS,2079 | Analyzed Method |
|------|---------------------------------|------------------|------------|-----------------------------|
| 1. | pH at 18.3°C | 7.2 | 6.5-8.5 | 4500-H ⁺ B, APHA |
| 2. | Electrical conductivity (µs/cm) | 606 | 1500 | 2510 B, APHA |
| 3. | Turbidity (NTU) | 0.01 | 5.0 | 2130 B, APHA |
| 4. | TDS (mg/lit) | 285 | 1000 | Instrumental |

Chemical Parameters:

| S.N. | Parameters | Observed Value/s | NDWQS | Analyzed Method |
|------|--|------------------|----------|---|
| 1. | Total Hardness as CaCO ₃ (mg/lit) | 352 | 500 | 2340 C, APHA |
| 2. | Calcium (mg/lit) | 62 | 200 | 3500-Ca B, APHA |
| 3. | Chloride (mg/lit) | 10 | 250 | 4500 Cl ⁻ B, APHA |
| 4. | Ammonia (mg/lit) | <0.1 | 1.5 | 4500- NH ₃ F, APHA |
| 5. | Iron (mg/lit) | 0.05 | 0.3(3.0) | 3111 B, APHA |
| 6. | Nitrate (mg/lit) | <1 | 50 | 4500-NO ₃ ⁻ B, APHA |
| 7. | Arsenic (mg/lit) | ND | 0.05 | 3111 B, APHA |

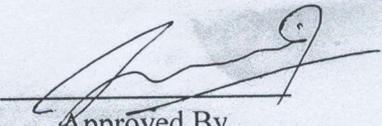
Microbiological Parameters:

| S.N. | Parameters | Observed Value/s | NDWQS | Analyzed Method |
|------|-----------------------------|------------------|-------|-----------------|
| 1. | <i>E. Coli</i> (CFU/100 mL) | Nil | Nil | 9222 D, APHA |
| 2. | Total Coliform (CFU/100 mL) | Nil | Nil | 9222 B, APHA |

ND: Not Detected

Remarks: The tested parameters of the water sample was found to be in accordance with the NDWQS,2079.


Analyzed By


Approved By

केमिष्ट

Note:

- The entire test was conducted as per the National Drinking Water Quality Standard Guideline, 2079 BS (MoWS/GoN)
- For microbiological test, the water sample in sterilized containers is only accepted.
- If the received sample water volume is inadequate, it will be rejected for analysis.
- We are not compelled to accept the water samples in leak and damage bottles for analysis.