

Water Quality Analysis Report

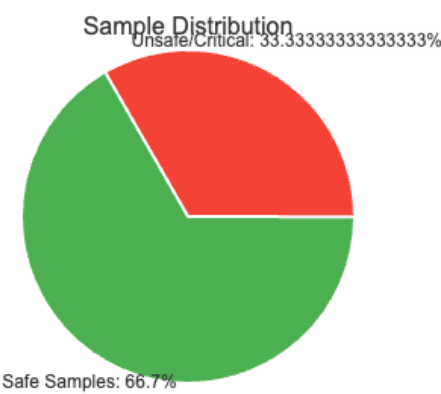
Generated: 15/09/2025

Data Source: Uploaded File

Key Metrics

- Average HMPI: 45.2 (Warning)
- Safe Quality: 66.7%
- Unsafe/Critical: 33.3%
- Sample Count: 3

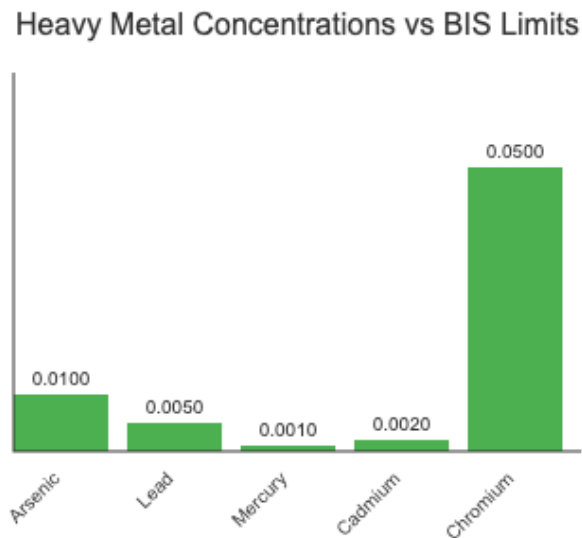
Sample Distribution Chart



Metal Concentrations (mg/L)

- Arsenic: 0.0100 mg/L (BIS Limit: 0.01)
- Lead: 0.0050 mg/L (BIS Limit: 0.01)
- Mercury: 0.0010 mg/L (BIS Limit: 0.001)
- Cadmium: 0.0020 mg/L (BIS Limit: 0.003)
- Chromium: 0.0500 mg/L (BIS Limit: 0.05)

Heavy Metal Concentrations Chart



Conclusion

The water quality analysis reveals a moderate concern with an HMPI of 45.2. While 66.7% of samples are safe, the 33.3% unsafe/critical samples require attention.

Immediate water treatment measures and regular monitoring are strongly recommended to prevent further deterioration.

Recommendations:

- Conduct regular monthly water quality monitoring
- Implement community awareness programs about water safety