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Assessment of Drinking Water Quality in Sana'a City (2024-2025): Compliance with Global and Local Standard

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Abstract: Clean, safe, and sufficient freshwater is essential for the survival of all living organisms. Water is indispensable for various purposes, and its quality must be assessed before use. In industrial applications, poor water quality can lead to severe health risks and significant economic losses. Therefore, water quality analysis is crucial for ensuring its suitability for diverse uses. The quality of water is influenced by its source and is evaluated through physical, chemical, and biological parameters.

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