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| --- | --- | --- | --- | --- | --- | --- |
| Parameter | Excellent | Good | Fair | Poor | Unacceptable | Reference |
| Total Dissolved Solids (TDS) | <300 mg/L | 300-600 mg/L | 600-900 mg/L | 900-1200 mg/L | >1200 mg/L | WHO |
| Electrical Conductivity (EC) | <250 µS/cm | 250-750 µS/cm | 750-2000 µS/cm | 2000-3000 µS/cm | >3000 µS/cm | FAO |
| Turbidity | <1 NTU | 1-5 NTU | 5-10 NTU | 10-20 NTU | >20 NTU | EPA |
| pH Level | 6.5-7.5 | 6.0-8.5 | 5.5-6.0 or 8.5-9.0 | 5.0-5.5 or 9.0-9.5 | <5.0 or >9.5 | EPA |
| Biochemical Oxygen Demand (BOD) | <1 mg/L | 1-2 mg/L | 2-5 mg/L | 5-8 mg/L | >8 mg/L | Varies by local regulations |
| Chemical Oxygen Demand (COD) | <20 mg/L | 20-50 mg/L | 50-100 mg/L | 100-200 mg/L | >200 mg/L | Varies by application |
| Chloride | <150 mg/L | 150-250 mg/L | 250-500 mg/L | 500-1000 mg/L | >1000 mg/L | WHO |
| Dissolved Oxygen (DO) | >6 mg/L | 5-6 mg/L | 3-5 mg/L | 2-3 mg/L | <2 mg/L | EPA |
| Suspended Solids (SS) | <10 mg/L | 10-20 mg/L | 20-50 mg/L | 50-100 mg/L | >100 mg/L | Local standards may vary |
| Total Alkalinity | 80-120 mg/L as CaCO3 | 50-80 or 120-150 mg/L as CaCO3 | 20-50 or 150-200 mg/L as CaCO3 | <20 or 200-250 mg/L as CaCO3 | >250 mg/L as CaCO3 | Local environmental regulations |