

**Specification :**

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|-----------------------------|------------------|
| Measurement Range | 10 – 500 ppm |
| Sampling Method | Capillary Action |
| Sampling Time | 10 minutes |
| Sample Water pH Value | 4 – 12 |
| Color Change | Off-white → Blue |
| Detection Limit | 5 ppm |
| Shelf Life | 2 years |
| Relative standard deviation | ± 10 – 15 % |

Reaction Principle :

CN⁻ + CuSO₄ + o-Toluidine → Bluish green reaction product.

Possible Interferences :

| Compound | Concentration (ppm) | Interference | Color Change / Comments |
|----------------|---------------------|--------------|---------------------------|
| Carbonateion | ≥1700 | No | Higher readings are given |
| Chlorideion | ≥100 | No | Higher readings are given |
| Sulfateion | ≥2700 | No | Lower readings are given |
| Sulfideion | ≥50 | No | Higher readings are given |
| Thiocyanateion | ≥25 | + | Higher readings are given |

Correction For Environmental Parameters :

| | |
|-------------|--|
| Temperature | Not necessary between 0 - 40°C (32 - 104°F). |
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Calibration Of The Tube :

Sodium cyanide standard solution.