

**Specification :**

Measurement Range	0.5 – 50 ppm
Sampling Method	Capillary Action
Sampling Time	8 minutes
Sample Water pH Value	4 – 12
Color Change	White → Bluish green
Detection Limit	0.25 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.