



for one hour, continuing agitation. A distinct blue color on the test paper indicates a sufficient chlorine level. If necessary, add additional hypochlorite solution.

- 4.3 After one hour, add 0.5 g portions of ascorbic acid (3.3) until KI-starch paper shows no residual chlorine. Add an additional 0.5 g of ascorbic acid to insure the presence of excess reducing agent.
- 4.4 Test for total cyanide in both the chlorinated and unchlorinated aliquots as in the method Cyanide, Total, in this manual.

## 5.0 Calculation

- 5.1 Calculate the cyanide amendable to chlorination as follows:

$$CN, \text{ mg/L} = A - B$$

where:

A = mg/L total cyanide in unchlorinated aliquot

B = mg/L total in chlorinated aliquot

## Bibliography

1. Annual Book of ASTM Standards, Part 31, "Water", Standard D 2036-75, Method B, p 505 (1976).
2. Standard Methods for the Examination of Water and Wastewater, 14th Edition, p 376 and 370, Method 413F and D (1975).