

*Indian Standard*  
**METHODS OF SAMPLING AND TEST  
(PHYSICAL AND CHEMICAL) FOR WATER  
AND WASTEWATER**

**PART 45 SODIUM AND POTASSIUM**

*( First Revision )*

**1 SCOPE**

This standard prescribes following three methods for determination of sodium and potassium:

- a) flame emission photometric method using either a flame photometer or an atomic absorption spectrophotometer in the flame emission mode;
- b) atomic absorption spectrometric method using an atomic absorption spectrophotometer in flame absorption mode; and
- c) gravimetric method for determination of sodium and colorimetric method for determination of potassium.

**2 REFERENCES**

The Indian Standards listed below are necessary adjuncts to this standard:

<i>IS NO.</i>	<i>Title</i>
3025 ( Part 1 ) : 1986	Methods of sampling and test ( physical and chemical) for water and waste water: Part 1 Sampling ( <i>first revision</i> )
7022 ( Part 1 ) : 1973	Glossary of terms relating to water, sewage and industrial effluents, Part 1
7022 ( Part 2 ) : 1979	Glossary of terms relating to water, sewage and industrial effluents, Part 2