

## SULFITE

Sulfite, in the form of sodium sulfite ( $\text{Na}_2\text{SO}_3$ ), is added to boiler water as an oxygen scavenger to prevent corrosion.

Its concentration is determined by titration with standard iodide iodate solution. Iodine liberated from the iodide iodate solution reacts with the sulfite until the sulfite is used up. The excess iodine then imparts a blue color to the starch indicator.

It is expressed as parts per million (ppm) sulfite ( $\text{SO}_3$  e.w. 40) or sodium sulfite ( $\text{Na}_2\text{SO}_3$  e.w. 63).



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