

MANGANATE

Meaning: Manganate is a chemical ion (MnO_4^{2-}) that exhibits strong oxidizing properties and is characterized by its bright green color in solution.

1. Manganate ions can act as powerful oxidizing agents in chemical reactions.
2. The bright green color of manganate solutions is a distinctive feature in laboratories.
3. In the presence of acids, manganate can be reduced to manganese dioxide.
4. Researchers are exploring the use of manganate in wastewater treatment processes.
5. The stability of manganate in different pH environments is crucial for its applications.

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