28. A 25 mL solution containing $C_2O_4^{2-}$ ions was titrated with $KMnO_4$ in acidic medium as follow:

$5C_2O_4^{2-} + 2MnO_4^- + 16H^+ \rightarrow 2Mn^{2+} + 8H_2O + 10CO_2$

Calculate the concentration of $C_2O_4^{2-}$ ions if the titration required 30.50 mL of 1.25 M $KMnO_4$ solution.

A. 3.81 M
B. 3.32 M
C. 4.23 M
D. 4.78 M

[redacted]

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