Question #64982, Chemistry / General Chemistry

Calculate the $[H_3O^{\scriptscriptstyle +}]$ for $0.0058~M~H_2SO_4$. Answer in unit M

Answer:

$$H_2SO_4 + {}_{2H2O} = 2H_3O^+ + SO_4^{2-}$$

$$[H_3O^+] = 2 \times [H_2SO_4] = 2 \times 0.0058 \ M = \textbf{0.0116} \ M$$
Answer provided by <https://www.AssignmentExpert.com>