

Worksheet: Osmotic Pressure



Q1: What is the osmotic pressure of an aqueous solution containing 1.64 g of $\text{Ca}(\text{NO}_3)_2$ at 25°C ? The volume of the solution is 275 mL.

A 2.67 atm

B 4.52 atm

C 270 atm

D 0.224 atm

E 23.5 atm

Q2: If 5.0 g of glucose, $\text{C}_6\text{H}_{12}\text{O}_6$, is dissolved in 1.0 L of water at 300 K, what is the osmotic pressure of the resulting solution?

A 1.2 bar

B 0.012 atm

C 6.9 atm

D 0.69 bar

E 69 Pa