Question 28 (8 marks)

The flowchart shown outlines the sequence of steps used to determine the concentration of an unknown hydrochloric acid solution.

Preparation of A
500 mL 0.100 mol L⁻¹ sodium
carbonate standard solution

25.0 mL used

Unknown
hydrochloric acid
solution

Average titration
volume of acid 21.4 mL

Concentration of hydrochloric acid solution

Describe steps **A**, **B** and **C** including correct techniques, equipment and appropriate calculations. Determine the concentration of the hydrochloric acid.

standured solution of sodium carbonate: This process involves accurately measuring out.

Noin of dry solute of Nor-sodium carbonate;

and diluting the solute with a distribute with a distribute.

Listen in a beatzer, until the solute with a solute.

Los to completely dissolved, using a furnel, carbonate into a soon volumetric flaste, non continuosly, whose the teniadom intil distilled.

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