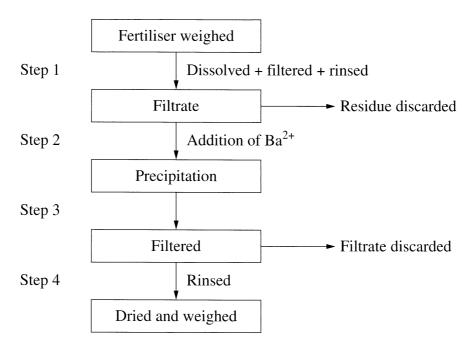
3

3

Question 29 (6 marks)

The flowchart shown outlines the process used to determine the amount of sulfate present in a sample of lawn fertiliser.



(a)	What assumptions were made and how do these affect the validity of this process?
	H is assumed when the residue is discarded
	that all the sulfake present in the fertiliser has
	been dissolved, therewo which if it has not
	would produce invalid results at the
	end of the experimenta
	,

(b) It was found that 4.25~g had a sulfate content of 35%.

What is the mass of the dried precipitate at Step 4? Include a chemical equation in your answer. 4.25×35

mass of $ppt = \frac{1}{100}$	35
=1.4875	9
	J