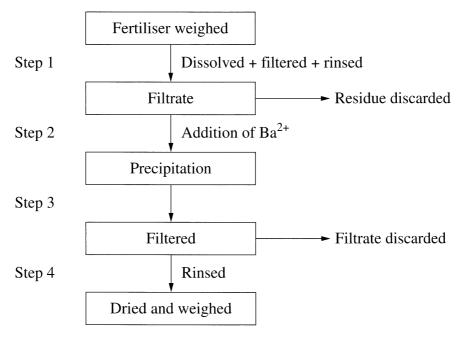
Question 29 (6 marks)

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?	
	An avangtion was made that all the partion?	
	cons we completely precipitated. Another	
	assumption was made that on the Ba24 only	
	precipitated the son2. There may have co32.	
	to precipitate with Finally there was large	
	to de the and the	
	cought as residue and derruy tottaction they about	
(b)	It was found that 4.25 g had a sulfate content of 35%.	
	the aim with the new ne accurate	4
	in your answer.	
	4-25, x 351. =1-48759 achier.	
	in (3042) = m = 1.4875 always	
	3 o. O. E. Li o 2500 mile in tur	
	the /	Y
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	•
	$\frac{n\left(8aso_{y}\right)^{2}}{-20-1}\cdot m\left(8aso_{y}\right) \cdot \left(0.0000\right) \cdot 100000000000000000000000000000000000$	
(b)	weight as esiding to dering filtration. They which is the assemble as sulfate content of 35%. of the process because 34 the arm willfull not be accurately your answer. 4.25 g had a sulfate content of 35%. of the process because 34 the arm willfull not be accurately not be accurately and and in your answer. 4.25 g x 35%. = 1-4875 g. 1. 4875 2t we have the state of the dried precipitate at Step 4? Include a chemical equation in your answer. 4.25 g x 35%. = 1-4875 g. 1. 4875 2t we have the state of the dried precipitate at Step 4? Include a chemical equation which we have the state of the sta	ste full pour

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= 3.619 (3cry pir-)