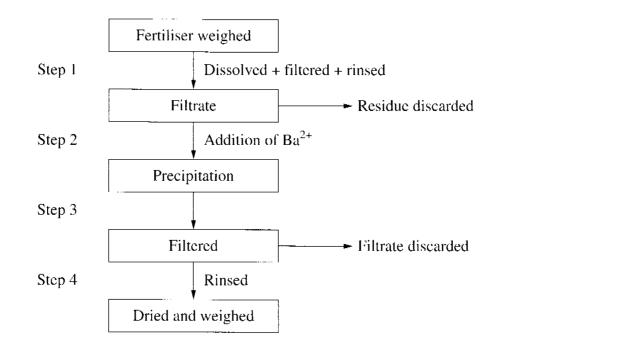
3

## Question 29 (6 marks)

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



- What assumptions were made and how do these affect the validity of this process? (a) 3 the discorded Bascy was st would result Can Porsto NO33 overestimation second Both of these Ba 304 wa Yne  $\sim$ .....*d*t...... . . . . . . . . . . .
- (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.

.non strally	SUq=	4.25 x	<u>35%</u>		
	= 1-	488 3			
, ,	Basug= 233.				
	Sup = 9607				
	504=	41-2% 06	Bas04		
	Se 1-48	8 = 41.2	% et	final	ppt
ي لا	) iners	14 <u>ppt</u> in - 20 -	Step 4=	3.60	) )

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