

Lab Report: Gravimetric Analysis of an Unknown Sulfate

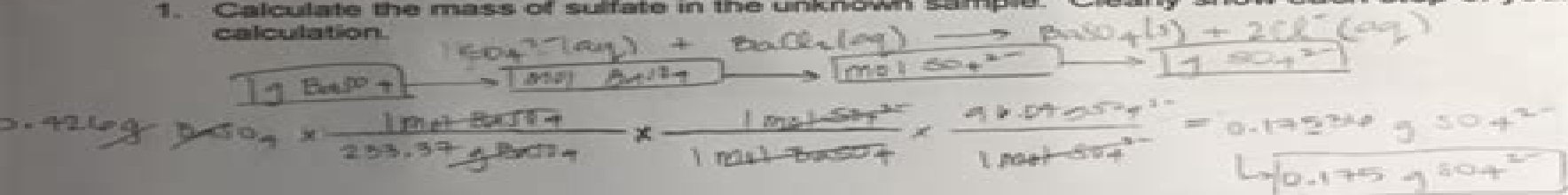
Experimental Data

Unknown Sulfate ID Code: 20

1.	Mass of empty 250-mL beaker	111.234 g
2.	Mass of 250-mL beaker and unknown sulfate	112.227 g
3.	Mass of unknown sulfate	0.343 g
4.	Mass of empty crucible (without lid)	11.203 g
5.	Mass of crucible (without lid) and barium sulfate	11.629 g
6.	Mass of barium sulfate	0.426 g

Calculations and Conclusions

1. Calculate the mass of sulfate in the unknown sample. Clearly show each step of your calculation.



2. Calculate the percentage by mass of sulfate in the unknown sample. Show your work.
mass of unknown sulfate = 0.343g ; mass of sulfate = 0.195g sulfate

$$\% \text{SO}_4^{2-} = \frac{0.195 \text{ g}}{0.343 \text{ g}} \times 100 = 51.0204\% \quad \text{L} \approx 51.0\%$$

3. Calculate the percentage by mass of the metal in the unknown sample. Show your work.

$$100.0\% - 51.07\% = 48.93\%$$

Gravimetric Analysis Lab Report Ucsd

AW Rasmussen



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Gravimetric Analysis Lab Report Ucsd Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the ability of words has become much more evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Gravimetric Analysis Lab Report Ucsd**, a literary masterpiece that delves deep to the significance of words and their affect our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall impact on readers.

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