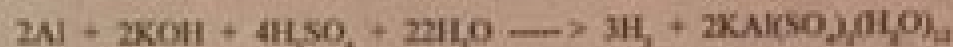


CHM 140 Lab 5 Synthesis of Alum from Aluminum Foil

Purpose: In this experiment, a commercially useful compound, alum, is synthesized from aluminum foil, KOH, and H_2SO_4 according to the following balanced reaction:



Calculating the moles of each reactant used in the synthesis will allow for the determination of the limiting reactant. Once the limiting reactant is determined, the theoretical yield of $2\text{KAl}(\text{SO}_4)_2(\text{H}_2\text{O})_{12}$ can be determined. Then, the percent yield can be calculated by dividing the actual yield by the theoretical yield and multiplying by 100.

Data from the video will be used for the calculations.

<https://youtu.be/K9LZZ1pnshI> Synthesis of Alum

Data:

1. Mass of aluminum

0.545

g

2. Mass of empty Buchner funnel and filter paper

16.153

g

3. Mass of Buchner funnel, filter paper, and alum

21.972

g

4. Mass of alum (actual yield)

5.819

g

5. Volume of 1.4 M KOH used

27.0

ml.

6. Volume of 9.0 M H_2SO_4 used

12.0

ml.

Calculations: Determine the limiting reactant. Show work for calculations.

7. Moles of Al

_____ moles Al

8. Moles of KOH

_____ moles KOH

9. Moles of H_2SO_4

_____ moles H_2SO_4

Alum From Aluminum Lab Answers

Xiang Xie



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Chemistry in the Laboratory James M. Postma, Julian L. Robert, J. Leland Hollenberg, 2004-03-12 This clearly written class tested manual has long given students hands on experience covering all the essential topics in general chemistry Stand alone experiments provide all the background introduction necessary to work with any general chemistry text This revised edition offers new experiments and expanded information on applications to real world situations **Phosphorus Removal** ,1973

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contain a directory of heating piping and air conditioning equipment **Selected Water Resources Abstracts** ,1972
Tappi Journal ,1993 **Chemical Principles** Ralph J. Christensen, 1998 **Selected Water Resources Abstracts** ,1988 *Journal of the American Water Works Association* American Water Works Association, 1955 Vols for 2012 contain only executive summaries of articles Proceedings ,1974 Annual Offshore Technology Conference [preprints] ,1974

Technical Association of the Pulp and Paper Industry ,1955 *History, Geology, and Environmental Setting of the Lower Fair Day Mine, Arapaho/Roosevelt National Forest, Boulder County, Colorado* John Neubert, 2000 Nebraska Experiment Station Quarterly ,1952 **Plating and Surface Finishing** ,2000 *Chemical, Color and Oil Record* ,1923

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Table of Contents Alum From Aluminum Lab Answers

1. Understanding the eBook Alum From Aluminum Lab Answers
 - The Rise of Digital Reading Alum From Aluminum Lab Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Alum From Aluminum Lab Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Alum From Aluminum Lab Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Alum From Aluminum Lab Answers
 - Personalized Recommendations
 - Alum From Aluminum Lab Answers User Reviews and Ratings
 - Alum From Aluminum Lab Answers and Bestseller Lists
5. Accessing Alum From Aluminum Lab Answers Free and Paid eBooks
 - Alum From Aluminum Lab Answers Public Domain eBooks
 - Alum From Aluminum Lab Answers eBook Subscription Services
 - Alum From Aluminum Lab Answers Budget-Friendly Options
6. Navigating Alum From Aluminum Lab Answers eBook Formats

- ePub, PDF, MOBI, and More
 - Alum From Aluminum Lab Answers Compatibility with Devices
 - Alum From Aluminum Lab Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Alum From Aluminum Lab Answers
 - Highlighting and Note-Taking Alum From Aluminum Lab Answers
 - Interactive Elements Alum From Aluminum Lab Answers
 8. Staying Engaged with Alum From Aluminum Lab Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Alum From Aluminum Lab Answers
 9. Balancing eBooks and Physical Books Alum From Aluminum Lab Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Alum From Aluminum Lab Answers
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Alum From Aluminum Lab Answers
 - Setting Reading Goals Alum From Aluminum Lab Answers
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Alum From Aluminum Lab Answers
 - Fact-Checking eBook Content of Alum From Aluminum Lab Answers
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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