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point of 92.5 degrees C. Our percent sulfate was 42.44%, which is close to the The Synthesis of Alum Lab by Michaela Tonsager

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The aluminum is being recycled in the sense that the aluminum undergoes a process that adapts it to a new

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function, instead of just converting the shape of the metal. The aluminum in this experiment is converted to alum $[KAl(SO_4)_2 \cdot 12H_2O]$ which is the usual term for a type of compound with the general formula $MM'(SO_4)_2 \cdot 12H_2O$. M is a monovalent cation, and M' is a trivalent cation, in this case, Al^{3+} .

~~Recycling Aluminum lab write up: experiment 3 CHEM 2070 ...~~

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Lab 4 synthesis and analysis of alum part. Alum from the synthesis of potassium aluminum sulfate chem lab page for the Rinse the reaction beaker twice with 2 mL distilled water, and add each rinse to the filter paper. Allow water to run through the aspirator to establish a vacuum in the filter flask. Red numbers are variable.

~~Synthesis of alum preliminary lab assignment answers ...~~

1. Either bring your own aluminum can or use the pieces provided in the lab. You will need a piece of scrap aluminum about 7.5 cm by 5.0 cm that weighs 1.0 to 1.1 grams. 2.

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Scrape both sides of the piece (using sandpaper) to remove the paint and lacquer (this will speed the dissolving process GREATLY, and give a more accurate starting mass). 3.

~~Synthesis of Alum from Aluminum~~

Synthesis of Alum Alum is a solid ionic compound with many uses. It is used as astringent to prevent bleeding from small cuts, as an ingredient in deodorants, as an ingredient in baking powders, and as a preservative used in pickling. The formula of alum is $KAl(SO_4)_2 \cdot 12H_2O$ and the standard name is potassium aluminum sulfate. It is an

~~CHEM 231 Experiment 5 Synthesis of Alum~~

Numbers of moles of Alum = 0.0397 moles Molar mass of

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Alum = 474.39 g / mole
Mass of Alum yielded = Number of moles * Molar mass of Alum
 $4.00397 \text{ moles} * 474.39 \text{ (g / mole)} = 18.83 \text{ g}$
% yield = (Actual yield (g) / Theoretical yield (g)) * 100 = $(14.14 \text{ g} / 18.83 \text{ g}) * 100 = 75.1 \%$
Discussion: The experimental value for the yielding of alum is 14.14 g and theoretical value is 18.83 g.

~~Lab report on synthesis of Alum using Aluminum.~~

In this experiment you will prepare and characterize alum (potassium aluminum sulfate dodecahydrate, $\text{KAl}(\text{SO}_4)_2 \cdot 12 \text{H}_2\text{O}$). The first step in this synthesis, which you will perform during Week 1, is to react metallic aluminum with a concentrated solution of potassium hydroxide (KOH) to form the potassium salt of the tetrahydroaluminate complex ion,

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$[Al(OH)_4]^-$.

~~Preparation and Analysis of Alum | Chem Lab~~

CHEM 231 Experiment 5 Synthesis of Alum Alum is aluminum sulfate. Aluminum reacts with sulfuric acid to produce alum. Chem Lab: Synthesis of Alum Question! | Yahoo Answers The overall reaction to form alum is: $Al^{3+}(aq) + K^{1+}(aq) + 2 SO_4^{2-}(aq) + 12 H_2O \rightarrow KAl(SO_4)_2 \cdot 12H_2O(s)$ Crystallization. Using tongs, remove the filtrate beaker to a wire

~~Alum Synthesis Lab Answers - catalog.drapp.com.ar~~

1. Aluminum is the third most abundant element in the earth's crust. 2. The supply of aluminum ore is not

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inexhaustible. 3.The winning, or extraction of the metallic form an impure ionic source, of aluminum from aluminum ore is very costly from an energy point of view. 4.The above point explains why Napoleon III used aluminum dinnerware for his

~~Synthesis of Alum from Aluminum~~

stuff is my mid term grade alum synthesis lab answers the synthesis of alum lab michaela tonsager and kaili johnson conclusion we determined that our sample was in fact alum our melting point of 994 degrees c was similar to the published melting point of 925 degrees c our percent sulfate was 4244

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~~Analysis Of Alum Lab Answers Sulfate~~

SYNTHESIS OF ALUM Purpose: In this lab you are going to carry out a series of reactions to transform a piece of aluminum foil into white crystals (alum). You will use stoichiometry to figure out the limiting reagents and yield for your reaction. Background: Aluminum is the third most common element in the earth ' s crust, but it forms very

~~SYNTHESIS OF ALUM~~

Alum Synthesis Lab Answers The Synthesis of Alum Lab
Michaela Tonsager and Kaili Johnson Conclusion We determined that our sample was in fact alum. Our melting point of 99.4 degrees C was similar to the published melting point of 92.5 degrees C. Our percent sulfate was 42.44%,

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which is close to the The Synthesis of Alum Lab by Michaela Tonsager Lab #4 Synthesis of Alum Purpose-Synthesize a type of alum

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This is a video I made during my last lab. Might get used in a lab report, not sure. The editing in this video is very basic. I just switched from Sony Movie...

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