

ANHYDRIDE

Meaning: Anhydride is a chemical compound that is formed by the removal of water from an acid, typically characterized by its ability to react with water to regenerate the acid.

1. An anhydride is formed when water is removed from an acid.
2. The chemical reaction yielded a significant amount of anhydride.
3. In organic chemistry, anhydrides often act as reactive intermediates.
4. Sulfur trioxide can be used to produce sulfuric anhydride.
5. The anhydride of acetic acid is known as acetic anhydride.
6. When heated, the anhydride may revert back to its hydrated form.
7. Anhydrides can be used to create esters through a condensation reaction.
8. Understanding anhydrides is crucial for synthesizing various organic compounds.
9. Phthalic anhydride is commonly used in the production of plastics.
10. The formation of an anhydride can indicate dehydration in a chemical process.

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