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(54) Title: A PREPARATION OF SODIUM BICARBONATE FROM CARBON DIOXIDE

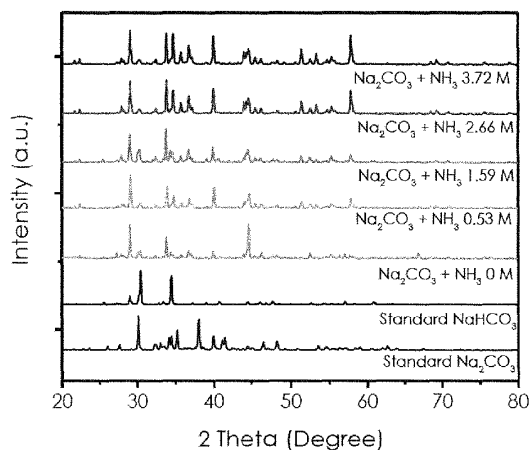


Figure 1

(57) Abstract: A preparation of sodium bicarbonate from carbon dioxide (CO_2) comprises of the following steps: prepare sodium compound solution by dissolving sodium compound in deionized water; prepare ammonia solution by dissolving ammonia in deionized water; mix sodium compound solution and ammonia solution together at temperature-controlled conditions and release carbon dioxide into the mixture, resulting in sodium bicarbonate product with white solid property; filter the product out of the solution and wash it with organic solvent; and let it dry at a room temperature.

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