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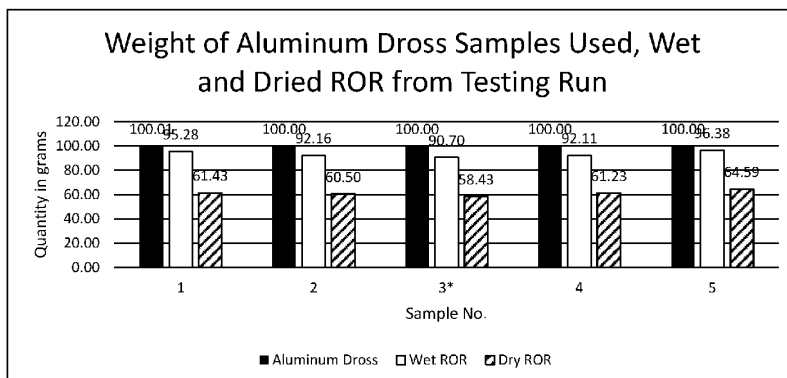
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(54) Title: A METHOD OF FORMING ALUMINIUM TRIHYDRATE

Figure 1



(57) Abstract: A method of forming aluminium trihydrate There is provided a method of forming aluminium trihydrate comprising: mixing aluminium dross with sodium hydroxide at a first pre-determined temperature to form a mixture, wherein the aluminium dross has an aluminium oxide content of $\geq 30\%$ based on the total weight of the aluminium dross; filtering the mixture to obtain a first filtrate and a first residue; diluting the first filtrate with water; and mixing the first filtrate with carbon dioxide at a second pre-determined temperature to obtain ATH residue and a second filtrate.