

AbstractA method of forming aluminium trihydrate

- 5 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
10 carbon dioxide at a second pre-determined temperature to obtain ATH residue and a second filtrate.

(Figure 1)