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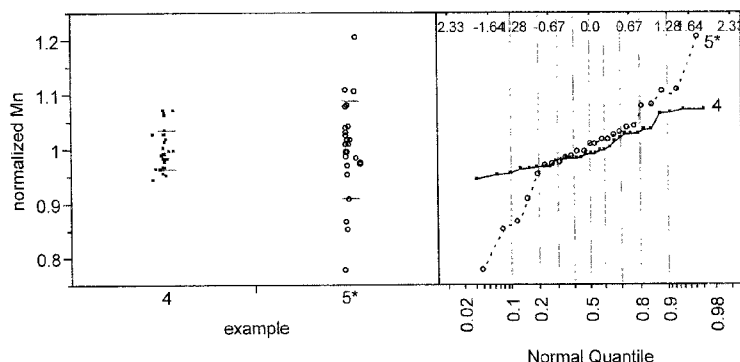


FIGURE 4

(57) Abstract: A method of making a manganese-containing supported silver catalyst intermediate is provided. The method includes preparing a first solution comprising a manganese component and a complexing agent which is combined with a second solution comprising silver to form an impregnation solution. A pH of the first solution at any time during or after the preparation of the first solution is less than or equal to 7. A support is subsequently impregnated with at least a portion of the impregnation solution to form the catalyst intermediate. The impregnation solution has a pH of greater than 7.