

ABSTRACT

It is an object of the present invention to provide a method for producing an alkylated aromatic compound and a method for producing cumene that can greatly reduce the amount of solid acid substance, and a method for producing phenol including a step of producing cumene by the method for producing cumene. A method for producing an alkylated aromatic compound according to the present invention includes a step (i) of producing a reaction product (a1) containing the alkylated aromatic compound and water by the reaction of an aromatic compound, a ketone, and hydrogen using a metal component containing at least one metallic element selected from the group consisting of copper, nickel, cobalt, and rhenium and a solid acid substance; a step (ii) of forming a dehydrated product (a2) from at least a portion of the reaction product (a1) by removing at least a portion of the water in the reaction product (a1); and a step (iii) of producing a reaction product (a3) containing the alkylated aromatic compound by bringing at least a portion of the dehydrated product (a2) into contact with a solid acid substance.