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ABSTRACT



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In the process for producing bisphenol A comprising crystallizing an adduct of bisphenol A and phenol from a phenol solution of bisphenol A
5 obtained by reacting phenol and acetone in the presence of an acid catalyst, treating the formed slurry by solid-liquid separation and removing phenol from the solid component, a layer of the crystalline adduct is formed on a filter by filtering slurry (1) comprising the crystalline adduct, washing the layer of the adduct with a washing liquid,
10 dissolving the layer of the adduct in a solution comprising phenol, producing slurry (2) comprising the crystalline adduct by crystallization, and separating the crystalline adduct by centrifugation of slurry (2). When bisphenol A is separated from the reaction mixture, the adduct of bisphenol A and phenol can be recovered from the mother liquor of the
15 reaction efficiently at a high purity in accordance with the above process.

. A process for producing bisphenol A which comprises, (A) reacting phenol and acetone, (B) removing water formed by the reaction and substances having low boiling points of the unreacted raw materials, (C)
5 concentrating of bisphenol A by distillation under a reduced pressure, (D) crystallizing an adduct of bisphenol A and phenol from a phenol solution of bisphenol and treating a formed slurry by solid-liquid separation to remove phenol from a solid component, (E) dissolving, crystallizing and separating the adduct of bisphenol A and phenol, (F) melting the adduct of
10 bisphenol A and phenol by heating, (G) removing phenol from bisphenol A, and (H) granulating the bisphenol A, wherein the process (D) comprises forming a layer of the adduct of bisphenol A and phenol in a crystalline condition on a filter by filtering phenol slurry of bisphenol A (1) comprising the adduct of bisphenol A and phenol in a crystalline condition
15 with the filter, washing the layer of the adduct with a washing liquid, dissolving the layer of the adduct obtained after the washing in a solution comprising phenol, producing phenol slurry of bisphenol A (2) comprising the adduct of bisphenol A and phenol in a crystalline condition by crystallization, and separating the adduct of bisphenol A and phenol in a
20 crystalline condition by centrifugation of phenol slurry of bisphenol (2).