

Abstract

CYCLOHEXANOL, METHOD FOR PRODUCING CYCLOHEXANOL, AND
METHOD FOR PRODUCING ADIPIC ACID

A purified cyclohexanol of the present invention has a methylcyclopentanol concentration of 10 to 1000 ppm by weight and a cyclohexylcyclohexene isomer concentration of 15 to 500 ppm by weight. A method for producing cyclohexanol of the present invention comprises: Step 1 of producing a solution (I) containing cyclohexanol, methylcyclopentanol, and water by a hydration reaction of cyclohexene; Step 2 of separating the solution (I) into a water phase and an oil phase; Step 3 of obtaining a partially purified cyclohexanol containing methylcyclopentanol from the oil phase; and Step 4 of separating and removing methylcyclopentanol in the partially purified cyclohexanol so as to obtain a purified cyclohexanol having a methylcyclopentanol concentration of 10 to 1000 ppm by weight and a cyclohexylcyclohexene isomer concentration of 15 to 500 ppm by weight.

Figure 1