

Method for preparing biogas reforming catalyst based on chromium oxide (Cr_2O_3), nickel oxide (NiO), and aluminum oxide (Al_2O_3) involves applying the active phase on a carrier, for which honeycomb-structured cordierite is used, followed by drying and calcination of the resulting catalyst. In addition to this, the carrier is sequentially impregnated with an aqueous solution containing nickel and aluminum salts, followed by an aqueous solution of a chromium-containing compound; after each impregnation, the resulting catalyst is dried at a temperature of 100 to 200 °C and calcined at 600 °C.