ABSTRACT

[Object] There is provided a catalyst for fluid catalytic cracking of hydrocarbon oil with which gasoline and a gas oil fraction can be obtained in high yields and a high degree of bottom cracking and a low coke yield are attained.

[Solution] Catalyst Composition A that comprised zeolite and 10 to 30 % by mass of a silica-based binder as a binding agent and Catalyst Composition B that comprised zeolite and 10 to 30 % by mass of an aluminum-compound binder as a binding agent were mixed in a mass proportion in the range of 10:90 to 90:10 (W_A:W_B), provided that W_A is the mass of Catalyst Composition A and W_B is the mass of Catalyst Composition B.