

TITLE OF INVENTION: POWDER AND METHOD FOR PRODUCING THE SAME

ABSTRACT

Provided are a powder which contains zirconia as a main component and at least a transition metal element and from which a calcined body having mechanical properties more suitable for calcined body processing is obtained, a method for producing the powder and at least one of a calcined body, a sintered body obtained from the powder and methods for producing them. A powder of zirconia comprises a stabilizing element and a transition metal element, in which in a frequency distribution of element ratios of the transition metal element/zirconium plotted at intervals of 0.005, a difference between a minimum value and a maximum value of the transition metal element/zirconium is less than 0.25.

[Figure 4]