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SPECIFICATION FOR  
CHINA CLAY FOR CERAMIC INDUSTRY

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BUREAU OF CEYLON STANDARDS

**SPECIFICATION FOR CHINA CLAY  
FOR CERAMIC INDUSTRY**

C. S. 161 : 1972

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## CEYLON STANDARD SPECIFICATION FOR CHINA CLAY FOR CERAMIC INDUSTRY

### FOREWORD

This Ceylon Standard has been prepared by the Drafting Committee on Ceramics. It was approved by the Civil Engineering Divisional Committee of the Bureau of Ceylon Standards, and was authorised for adoption and publication by the Council of the Bureau on 3rd October, 1972.

China Clay or Kaolin is the name given to clays which form the basis of high quality domestic pottery and which nowadays are known to consist mainly of the clay mineral kaolinite ( $Al_2O_3 \cdot 2 SiO_2 \cdot 2H_2O$ ). Kaolin is the name derived from Chinese Kao lin, a high ridge where the white firing clay was first discovered.

Raw China clay is usually refined to obtain a Kaolin of high purity suitable for industrial purposes. China clay on the whole contains less fine material than ball clay. Consequently, they are less plastic, and have less binding power than ball clay.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value observed or calculated expressing the result of a test or observation shall be rounded off in accordance with C. S. 102: Ceylon Standard on Presentation of Numerical Values. The number of figures to be retained in the rounded off values shall be the same as that of the specified value in this standard.

In the preparation of this standard, the considerable assistance obtained from the Department of Geological Survey, Ceylon Ceramics Corporation and the publication of the ISI is acknowledged.

### 1. SCOPE

This standard prescribes the requirements and the methods of sampling and test for China clay used in the ceramic industry.

### 2. REQUIREMENTS

- 2.1 The material shall be the natural mineral consisting essentially of hydrated aluminium silicate, suitably beneficiated to remove extraneous substances.