



## Ceramic Tableware Products Certification for Entrepreneurs

Certification of Ceramic Tableware using domestic and international standards, Section of Product Certification authorized by Department of Science Service follows Thai Industrial Standards (TIS) which are ceramic ware in contact with food. Thus, TIS 564-2546 porcelain, TIS 601-2546 earthenware and TIS 602-2546 stoneware are used whereas individual international standards which are equivalent and applied to each product if it is necessary as well.

In terms of standard, not only TIS standards are followed, the standards of International Standard Organization (ISO) are also applicable to support an overseas trade as many countries require the ceramic tableware products with high quality and safe in use. Meanwhile, TIS standards are not reliable enough for customers in certain countries to consider and purchase. Therefore, ISO standards are carried out to approve final result.

### Provided ceramic tableware products are tested in standard methods to determine :

- Surface Imperfections or Defects on Ceramics
- Water Absorption
- Craze Resistance of Ceramic Ware by a Thermal Shock Method
- Craze Resistance of Fired Glazed Whitewares by Autoclave Treatment
- Lead and Cadmium Extracted from Glazed Ceramic Surfaces (The acceptable amount of these two elements are different depending on the type of ceramic ware.)

### Advantages of Product Certificates :

1. To provide marketing benefits :- A certified product may show the trademark which indicates that the product has undergone testing and evaluation to verify that the product will perform as indicated. Therefore, the product certificate raise the overall bar for goods in the market.
2. To determine whether products meet international standards :- In case of lead and cadmium extracted from glazed ceramic surface, international standards and regulations are informed depending on what type of tableware and their usage. Specific regulations of certified products can be different in some countries and must be followed without negligence.
3. To protect consumers :- The product certificate allows consumers to purchase quality goods for the right prices. It also obliges the producers or manufacturers to provide the best quality at all times

### Product Certificate contains :

- |                           |                            |  |
|---------------------------|----------------------------|--|
| 1. Type of Product        | 2. Product Details         | 3. Manufacturer                                      |
| 4. Address of Holder      | 5. Address of Manufacturer | 6. Reference Standard<br>(TIS or ISO)                |
| 7. Certificate Issue Date | 8. Certificate Expiry Date | 9. The First Certification<br>Date Authorized by DSS |

**Section of Product Certification**

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