

STANDARD TEST METHOD 2

MEASUREMENT OF DIMENSIONS OF FEI CUI (JADEITE JADE)

1.1 SCOPE

This Standard describes the method of measuring the dimensions of Fei Cui (Jadeite Jade).

1.2 APPLICATION

The measurement of dimensions applies to items made from Fei Cui (Jadeite Jade) as received by the laboratory for testing.

1.3 DEFINITIONS

Dimensions: The length, width and thickness of the test item.

1.4 APPARATUS

The following apparatuses are required:

1. Calibre : A calibre with a unit in millimetre, a resolution of 0.01 mm and an accuracy of at least 0.1mm.
2. Electronic gauge: An electronic gauge with a unit in millimetre, a resolution of 0.01 mm and an accuracy of at least 0.1 mm.
3. Steel rule: A steel rule with a unit in millimetre, a resolution of 0.5 mm and an accuracy of at least 1 mm.

1.5 TEST ITEM

The measurement of dimensions is a single unit test for a whole piece of test item in its entirety. Sampling of a number of test items to represent a batch of Fei Cui (Jadeite Jade) products shall not be permitted.

1.6 PROCEDURES

- 1.The electronic gauge shall be set to zero before the measurement is taken and should be tested before use.
- 2.The test Fei Cui (Jadeite Jade) shall be cleaned

scrupulously with a lint-free cloth.

- 3.The dimensions of the Fei Cui (Jadeite Jade) including the length, width, thickness, inner and outer diameter (if appropriate) shall be measured using an electronic gauge or calibre. The dimensions measured shall be recorded to at least 1 decimal place.

A steel rule shall only be used for test items with dimension measurement 150mm or over. The dimensions measured shall be recorded to at least 1mm.

- 4.For test items that are hollow, the maximum outer diameter and the maximum inner diameter (if any) shall also be measured and recorded.

1.7 EXPRESSION OF RESULTS

Express the length, width and thickness of the Fei Cui (Jadeite Jade) measured.

1.8 TEST REPORT

The report shall affirm that the test was carried out in accordance with this Standard. The measurement of dimensions should be reported as far as possible with other Fei Cui (Jadeite Jade) test results such as polariscope examination, shape and cut identification, measurement of weight, identification of transparency, identification of colour, examination of fluorescence, Chelsea colour filter examination, determination of specific gravity & refractive index, infrared spectrum examination, magnification examination and spectroscopic examination. In general, the test report shall include but not be limited to the following:

- (a) Identification number of the Fei Cui (Jadeite Jade) item.
- (b) Date of test.
- (c) Standard method of measurement of dimensions.
- (d) Name of person carrying out the test.
- (e) Name and signature of person responsible for testing.