

STANDARD TEST METHOD 3

MEASUREMENT OF WEIGHT OF FEI CUI (JADEITE JADE)

1.1 SCOPE

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

1.2 APPLICATION

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

1.3 DEFINITIONS

Weight: The vertical force exerted by a mass as a result of gravity.

Mounted Fei Cui (Jadeite Jade): Fei Cui (Jadeite Jade) set singly, or in a group or cluster, on a piece of jewellery.

1.4 APPARATUS

The following apparatus is required:

1. Balance: A balance with a unit in carat, a resolution of 0.001 carat and an accuracy of at least 0.01 carat;

or

2. Balance (for items weighing 200 carats and over): A balance with a resolution of 0.01 carat and an accuracy of at least 0.1 carat.

1.5 TEST ITEM

The measurement of dimension is a single unit test for a whole piece of test items 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 balance shall be switched on and be tared to zero.

2. The test Fei Cui (Jadeite Jade) shall be cleaned scrupulously with a lint-free cloth.

3. The test Fei Cui (Jadeite Jade) shall then be placed centrally on the pan of the electronic balance.

4. For Fei Cui (Jadeite Jade) with a weight of less than 200 carats, the weight measured shall be recorded to the nearest 0.01 carat, using a balance as defined in 1.4.1.

For Fei Cui (Jadeite Jade) with a weight equal to or above 200 carats, the weight measured shall be recorded to the nearest 0.1 carat using a balance as defined in 1.4.2.

5. For a mounted Fei Cui (Jadeite Jade), the total weight of the whole setting shall be measured and recorded following the same procedures as described in 1-4.

1.7 EXPRESSION OF RESULTS

Not Applicable

1.8 TEST REPORT

The report shall affirm that the test was carried out in accordance with this Standard. The measurement of weight 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 dimensions, 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 weight.
- (d) Name of person carrying out the test.
- (e) Name and signature of person responsible for testing.