

STANDARD TEST METHOD 5

IDENTIFICATION OF COLOUR OF FEI CUI (JADEITE JADE)

1.1 SCOPE

This Standard describes the method of identifying the colour of Fei Cui (Jadeite Jade).

1.2 APPLICATION

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

1.3 DEFINITIONS

Hue: Hue is the basic impression of a colour.

Tone: The relative impression of lightness or darkness of the object of its colour.

Saturation: The strength, purity or intensity of the hue.

1.4 APPARATUS

The following apparatus is required:

A day-light equivalent reflected light source.

1.5 TEST ITEM

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

2. The test Fei Cui (Jadeite Jade) shall be placed against a white background and shined with a day-light equivalent reflected light.

3. For a Fei Cui (Jadeite Jade) that is green in colour in its entirety, the “tone” and “saturation” shall be identified and recorded first. The combination of the identified “saturation” and “tone” shall be expressed as the equivalent “Colour Prefix” according to Table 1. For instance, for a Fei Cui (Jadeite Jade) that is “low” in “saturation” and “light” in “tone”, it shall be described as “pale”.

4. The Colour Prefix, Saturation & Tone Relationship is summarized in Table 1

5. The hue of the test Fei Cui (Jadeite Jade) shall then be identified and recorded. The wordings must be selected from the Table of Hue for Green Jadeite (Table 2) shown below.

6. For a Fei Cui (Jadeite Jade) that is non-green in colour in its entirety, only the “hue” shall be recorded.

7. The identification of colour shall be recorded as “Colour Prefix” plus “Hue”.

8. If the test item has more than one colour in appearance, where green is the dominant colour, the description of the item shall be recorded as “green” **with** “other colour”.

If the test item has more than one colour in appearance, where green is not the dominant colour, the description of the item shall be recorded as “green” **in** “other colour”.

If the test item has more than one colour in appearance, where there is no green colour in any portion, the description of the item shall be recorded as “the dominant colour” **with** “other colour”.

8. The distribution of colour shall be described as :
1. Even
 2. Uneven
 3. Patches
 4. Veins
 5. Spots

Note :

Colour Prefix	Saturation	Tone
Pale	Low	Light
Light	Moderate	Light
N/A	Moderate	Medium
Bright	Strong	Light to Medium
Intense	Strong	Medium to Dark
Deep	Moderate	Dark
Dark	Low	Dark

Table 1 – The Colour Prefix, Saturation & Tone Relationship Table

Hue
Yellowish Green
Green
Bluish Green

Table 2 –Table of Hue for Green Jadeite

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 identification of colour 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 and weight, identification of transparency, 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 identification of colour
- (d) Name of person carrying out the test.
- (e) Name and signature of person responsible for testing