

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Testing and Certification □

Title	Know about the testing of jade (including Fei Cui)
Code	109009L3
Range	This unit of competency is applicable to practitioners who work in gemmological laboratories and those with related duties in the jewellery industry. This unit of competency is applied in related routine work environments. Practitioners should have a basic understanding of various types of jade (including Fei Cui) and their analysis and are capable of using testing/identification equipment and tools properly to obtain accurate data and information under instruction.
Level	3
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Know about the various types of jade (including Fei Cui)</p> <ul style="list-style-type: none"> • Know about jade identification processes <ul style="list-style-type: none"> ○ Receipt identification and record ○ Photograph ○ Jade (including Fei Cui) testing procedure ○ Enter data and print the certificate ○ Review, endorse and issue the certificate ○ Laminate and trim ○ Ship and record • Know about the basic properties of jade (including Fei Cui) <ul style="list-style-type: none"> ○ Classification of jade (including Fei Cui) by type and quality ○ Differences between natural jade (including Fei Cui) and chemically treated jade (Types B, B + C and C) ○ The primary colours and secondary colours of jade (including Fei Cui) ○ Types of raw materials and their colours, types and quality ○ Origins of jade (including Fei Cui) <p>2. Use jade (including Fei Cui) testing/identification equipment to obtain accurate data and information</p> <ul style="list-style-type: none"> • Master the correct use of jade (including Fei Cui) testing equipment • Master the basic data for testing jade (including Fei Cui), including: <ul style="list-style-type: none"> ○ Shape and cuts ○ Size (mm) ○ Weight (g) ○ Transparency ○ Colour ○ Polariscope ○ Refractive index ○ Specific gravity (relative density) ○ Ultraviolet fluorescence ○ Chelsea colour filters ○ Visible light absorption spectrum ○ Magnifying glass/microscope ○ Infrared spectrum • Determine the existing calibration/certified mark of the jade (including Fei Cui) testing equipment

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	<p>3. Professionalism</p> <ul style="list-style-type: none"> • Following the requirements of the organization, code of practice and safety guidelines, able to use equipment to obtain accurate data and information effectively in a professional attitude • Acquire new knowledge of jade (including Fei Cui) • Use jade (including Fei Cui) testing equipment professionally
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Able to have a preliminary understanding/analysis of various types of jade (including Fei Cui), such as natural jade (including Fei Cui) (Type A) and chemically treated jade (Types B, B + C and C); and • Operate jade (including Fei Cui) testing equipment to obtain detailed and accurate data and information effectively under instruction.
Remark	<p>The identification process, basic properties and the required basic data of jade (including Fei Cui) are written with reference to the Hong Kong Standard Testing Methods for Fei Cui 2016 published by the Gemmological Association of Hong Kong</p>