

Specification of Competency Standards
for the Jewellery Industry
Unit of Competency

Functional Area - Testing and Certification

Title	Know about the testing and certification of jewellery products
Code	109010L4
Range	This unit of competency is applicable to practitioners who work in gemmological laboratories in the jewellery industry. This unit of competency is applied in related work environments. Practitioners should clearly understand that there are different testing/certification methods and processes for different precious metal and gemstone products and are capable of carrying out preliminary tests independently and properly with simple testing equipment.
Level	4
Credit	9
Competency	<p>Performance Requirements</p> <p>1. Know about certification services and accreditation requirements of jewellery products</p> <ul style="list-style-type: none"> • Analyze the accreditation requirements for properly and safely handling items and product samples to be tested/certified • Know that there are different testing/certification methods for different precious metal and gemstone products • Know about the types of samples and the sampling processes <ul style="list-style-type: none"> ○ Conduct in-depth assessment of the types and properties of the samples to be tested, such as: <ul style="list-style-type: none"> ▪ Jewellery product/part ▪ Ring shank ▪ Collet ▪ Snap ▪ Welding joint/casting alloy, etc. ○ Use the sampling concept to determine the sampling process ○ Distinguish and determine the various sampling methods and explain their uses • Know about the process for receiving and recording jewellery products/gemstone samples, including: <ul style="list-style-type: none"> ○ Receipt identification and record ○ Photograph ○ Product testing procedure ○ Enter data and print the certificate ○ Review, endorse and issue the certificate ○ Ship and record <p>2. Conduct tests with jewellery product testing/certification equipment</p> <ul style="list-style-type: none"> • Determine the testing equipment required to be used for jewellery product certification • Correctly test the colour of the product by using the suitable precious metal testing method and related testing equipment • Correctly test the gemstone assembled on the product by using the suitable gemstone testing method and related testing equipment • Know about the online verification system service for jewellery products <p>3. Professionalism</p> <ul style="list-style-type: none"> • Comply with the code of conduct of the laboratory to ensure the integrity, fairness and confidentiality of experiment data and information
Assessment Criteria	The integrated outcome requirements of this unit of competency are:

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	<ul style="list-style-type: none">• Ensure that the selected sampling method meets the sampling needs required by the customer or relevant standards; and• Able to correctly use testing equipment to perform testing/certification services for jewellery products independently
Remark	