

1. Title	Master water quality and sterilization systems for various types of spa equipment	
2. Code	BEZZHC405A	
3. Range	Effectively control all kinds of water quality and sterilization systems for spa equipment at spa treatment locations according to equipment manufacturers' guidelines, the code of practice for personal and working hygiene and relevant legal requirements.	
4. Level	4	
5. Credit	6 (for reference only)	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the environmental hygienic standards and sterilization procedures for spa equipment</p> <ul style="list-style-type: none"> <li>◆ Understand the methods and standards of testing water quality of spa equipment, such as: <ul style="list-style-type: none"> <li>• pH balance</li> <li>• calcium content</li> <li>• water temperature</li> </ul> </li> <li>◆ Understand the effects and scope of application of all kinds of sterilising chemicals, such as: <ul style="list-style-type: none"> <li>• Calcium hypochlorite</li> <li>• Sodium bicarbonate</li> <li>• Carbon dioxide</li> </ul> </li> <li>◆ Understand the safety content, safety use and storage of different sterilizing chemicals</li> <li>◆ Understand the safety precautions and equipment for water quality test</li> <li>◆ Understand the functions of the ventilation equipment for spa massage venues</li> <li>◆ Understand relevant legal requirements and industry code of practice e.g. regulations of public hygiene and municipal administration</li> </ul> <p>6.2 Master water quality standards and operating procedures for sterilization systems of various types of spa equipment</p> <ul style="list-style-type: none"> <li>◆ Use suitable type and amount of sterilizing chemicals according to manufacturers' guidelines, and test water quality of the spa equipment regularly according to procedures, ensuring that it is up to the hygienic standard, so as to effectively prevent harmful micro-organisms and the spread of disease</li> <li>◆ Master the techniques of testing water quality of the spa equipment and formulate and maintain water quality test records</li> <li>◆ Formulate effective working guidelines on day-to-day cleaning and testing procedures</li> </ul>	

	<ul style="list-style-type: none"> <li>◆ Monitor water quality and chemical concentration of spa water regularly according to the utilisation rate, ensuring that it is up to the hygienic and safety standards</li> <li>◆ Effectively monitor the pH value of water according to the features of different spa equipment to maintain the quality of water</li> <li>◆ Ensure that the water quality of spa equipment meets relevant legal requirements</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to master knowledge of testing water quality of spa equipment and correct sterilization procedures; and</li> <li>(ii) Capable to effectively control the water quality of spa equipment regularly according to manufacturers' guidelines and the code of practice for personal and working hygiene, and ensure that the sterilization system functions properly to prevent the spread of disease.</li> </ul>
8. Remarks	