

# Certificate Supplement

## 1. Legally protected title of the qualification

Laborant / Laborantin mit Fähigkeitszeugnis (FZ)  
mit Fachrichtung Chemie

## 2. Translated title of the qualification

Laboratory Technician, Specialisation Chemistry  
Diploma of Vocational Education and Training

## 3. Profile of skills and competences

Holders of this qualification work in research, development, production, control, application technology or diagnostics. They prepare detailed time and test plans according to relevant specifications, procure the necessary materials matching the required level of quality, select the most suitable method to handle the given situation, perform tests, monitor and optimise test execution and document tests in a comprehensible manner. They prepare evaluations, critically assess evaluation results and their work and ensure a functioning laboratory infrastructure. Their work contributes to the development of substances, products and techniques.

## 4. Range of occupations accessible to the holder of the qualification

Holders of this qualification carry out analyses of pure substances or mixtures and syntheses of molecules. They use various methods and techniques to produce, purify and verify the chemical purity of molecules and products. In their work, they use sensitive apparatuses and devices. They assist in the research, development and quality control of active ingredients, chemical substances and products in various industries.

## 5. Official basis of the qualification

Name and status of the national authority responsible for issuing the qualification:

- Amt für Berufsbildung und Berufsberatung ABB, Postplatz 2, 9494 Schaan, Liechtenstein  
[www.abb.llv.li](http://www.abb.llv.li); phone: +423 236 72 00; mail: info.abb@llv.li

Level of the qualification (national or international):

National Qualifications Framework for the VPET system: **Level 5**  
European Qualifications Framework: **Level 5**



#### Grading scale/Pass requirements:

- 6 = very good
- 5 = good
- 4 = satisfactory
- 3 = unsatisfactory
- 2 = poor
- 1 = unusable

Minimum passing grade: 4

#### Legal basis of the qualification:

- Verordnung vom 17. August 2010 über die berufliche Grundbildung Laborant/Laborantin mit Fähigkeitszeugnis
- Verordnung über den Nationalen Qualifikationsrahmen für Abschlüsse der Berufsbildung vom 27. August 2014 (RS 412.105.1)

## 6. Officially recognised ways of acquiring the qualification

Training for the Laboratory Technician, I VET Diploma lasts 3 years. Training content is usually distributed across two different learning locations: classroom instruction at a vocational school and apprenticeship training at a host company. However, depending on the VET programme, learners will also attend branch courses at a branch training centre. Professional competences required for the given occupation are decided by the sponsor of the VET programme.

- Host companies provide learners with practical skills associated with the occupation. Learners usually work an average of 3.5 day(s) per week.
- Vocational schools provide classroom instruction in vocational subjects and subjects falling under the category of language, communication and society (LCS). Learners usually attend classes an average of 1.5 day(s) per week; total number of lessons: 1680.
- Branch training centres provide learners with additional skills that are intended to complement classroom instruction and apprenticeship training, total duration of branch courses: 40-44 days.

The qualification procedure and final examination includes the following:

- Practical project covering hours
- (Written and/or verbal) testing of knowledge gained from vocational instruction covering 6 hours
- LCS

The calculation of the overall grade takes into account the grades obtained for individual areas of competence and the grades obtained from classroom instruction at the vocational school.

Other equivalent qualification procedures are possible.



National referencing body:  
AIBA

This certificate supplement draws its legal basis in Article 4 paragraph 1 of the Ordinance of 27 August 2014 on the National Qualifications Framework for Vocational and Professional Qualifications (NQF-VPQ-O, SR 412.105.1). This certificate supplement follows the model recommended by the European Parliament and Council (Decision No. 2241/2004/EC). The purpose of the certificate supplement is to provide sufficient data to improve the international transparency and fair professional recognition of qualifications (diplomas, certificates etc.). It describes the nature, level, context, content and type of training and education pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. The certificate supplement is free from value judgements, equivalence statements or recommendations on recognition.

Additional information can be found at: [www.nqfl.li](http://www.nqfl.li)

