

1. TITLE OF THE CERTIFICATE (DE) ⁽¹⁾

Reife- und Diplomprüfungszeugnis der Höheren Lehranstalt für Chemie - Ausbildungsschwerpunkt Biochemie, Bio- und Gentechnologie

⁽¹⁾ in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN) ⁽¹⁾

Reifeprüfung-Certificate and VET-Diploma - College of Chemistry Specialising in Biochemistry, Biotechnology and Genetic Engineering

⁽¹⁾ This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- knowledge of theoretical and practical methods and problem solving in the field of chemistry with consideration to technology, industry and the environment
- application of biochemical and microbiological procedures in research, development and production
- performance of food technological, pharma-biological, -biochemical and genetic procedures in research, development and testing
- familiarity with food ingredients and corresponding research, analysis and evaluation methods
- performance of technical-analytical as well as chemical-technological assignments relevant in practical work in the subject field
- interpretation of business-relevant regulations and standards
- performance of problem analyses, measurement and analytical methods, drawing conclusions and suggesting solutions from data, evaluations, time schedules and flow charts for project realisation in the fields of biotechnology, genetic engineering and environmental technology
- handling of chemicals, devices and instruments within different quantity and concentration ranges up to micro and trace analysis considering toxicological and ecological aspects
- employment of electronic measurement and closed-loop systems
- mathematical evaluation of results of quantitative chemical analyses and performance of stoichiometric calculations
- employment of the basics of marketing, staff guidance, negotiation skills, contracting and financing
- oral and written communication on business relevant subjects in the mother tongue and one foreign language

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE ⁽¹⁾

Range of occupations:

Employment in fields of activities with a high degree of responsibility as an employee or entrepreneur in various branches of the chemical industry, in the section of sales, of environmental protection and process engineering focusing on biochemistry, biotechnology and waste management

Pursuit of regulated professions on a self-employed basis (see also www.gewerbeordnung.at):

With relevant professional experience: pest control specialist

After passing a test of suitability: technical office, cleaner of monuments, facades and buildings

⁽¹⁾ in applicable.

(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/614/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers. More information on transparency is available at: <http://europass.cedefop.eu.int/> or <http://www.europass.at>

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate Educational institution recognised by the State of Austria, address see certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate Federal Ministry of Education, Science and Research</p>
<p>Level of the certificate (national or international) EQF/NQF 5 ISCED 55</p>	<p>Grading scale / Pass requirements 1 = excellent (excellent performance) 2 = good (good performance throughout) 3 = satisfactory (balanced performance) 4 = sufficient (performance meeting minimum pass levels) 5 = not sufficient (performance not meeting minimum pass levels) In addition, the overall performance at the final exam (Reife- and diploma exam) is rated as follows: Pass with distinction, Good pass, Pass, Fail</p>
<p>Access to next level of education/training Access to all courses of study at universities, academies and at Fachhochschulen (university level study programme of at least 3 years duration with vocational-technical orientation). The holder of the certificate might get credits at Fachhochschul-programmes if the course taken is similar in content to the topic areas covered by the certificate.</p>	<p>International agreements</p> <ul style="list-style-type: none"> ▪ European Convention on the Equivalence of Diplomas leading to Admission to Universities, BGBl. Nr. 44/1957 ▪ Convention on the Recognition of Qualifications concerning Higher Education in the European Region, Section IV, BGBl. III Nr. 71/1999 ▪ Training completed with this certificate is a regulated education and training programme in accordance with Article 11, point (c) (ii) of Directive 2005/36/EC on the recognition of professional qualifications, as last amended by Directive 2013/55/EU. The level of training corresponds to point (c) of Article 11 of the Directive.
<p>Legal basis National curriculum, BGBl. (Federal Law Gazette) II Number (No.) 302/97 in the version of BGBl. II No. 382/98 in accordance with BGBl. II No. 283/2003 Regulation on Examinations BMHS, Federal Law Gazette II no. 177/2012 current version</p>	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

1. Training and education as defined by the National Curriculum for Colleges of Chemistry
2. External certification as defined in BGBl. (Federal Law Gazette) II No. 362/1979 current version.

Additional information:

Entry requirements: successful completion of school year 8, if necessary entrance examination

Duration of education: 5 years

Duration of compulsory work placement: 8 weeks in total

Education objectives: a five-year intensive vocational education in subjects of general knowledge and of the specific area of study. Mediation of thought processes and of attitudes towards work and decision making, enabling the holder of this certificate to pursue a highly qualified career or carry on a business in trade and industry, as well as to be admitted to university. Additional important objectives are: personal development, the ability to be professionally mobile and flexible, creativity, analytical capability, social commitment, communicative competence, especially concerning the professional area, in the mother tongue as well as in the foreign language.

Subjects include: The subjects taught are listed on the school leaving (examination) certificate.

More information (including a description of the national qualification system) is available at: <http://www.certificate.at> or at <http://www.edusystem.at> or at <http://www.bmbwf.gv.at>

National Europass center: europass@oead.at

National Reference Point: info@zeugnisinfo.at