

1. TITLE OF THE CERTIFICATE (DE) (1)**Abschlussprüfung im staatlich anerkannten Ausbildungsberuf
Chemielaborant/Chemielaborantin**

(1) in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)(1)**Final examination in the state-recognized training occupation
Chemical laboratory technician (m/f)**

(1) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Analyse inorganic and organic substances to determine their qualitative and quantitative composition
- Plan experimental processes and set up apparatus
- Produce inorganic and organic preparations in accordance with instructions
- Separate substance mixtures
- Purify, identify and characterise substances
- Work with scientists to optimise production instructions and processes for preparations
- Work with scientists to develop and optimise analysis techniques
- Carry out physical investigations for the determination of material constants and chemical parameters
- Log and document experimental processes; work with German and English language instructions
- Use computers for equipment control, data acquisition, processing and transmission, documentation, information acquisition and for logistical and organisational purposes
- Evaluate measurement and experimental data and interpret the results
- Accord due consideration to health and safety at work, environmental protection and health protection when dealing with substances and equipment
- Dispose of waste substances in an environmentally friendly manner
- Apply quality management measures

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

Chemical laboratory technicians work in research, development and production laboratories in (especially chemical and pharmaceutical) industry and at institutes of higher education. They are also employed in medical analysis, environmental protection and in materials testing and investigative offices.

(1) if applicable

(*) Explanatory notes

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 2001/613/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: www.europass.cedefop.eu.int/transparency

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the body awarding the certificate</p> <p>Chamber of Industry and Commerce</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Chamber of Industry and Commerce</p>
<p>Level of the certificate (national or international)</p> <p>ISCED 3B</p>	<p>Grading scale / Pass requirements</p> <p>100-92 points = 1 = excellent 91 - 81 points = 2 = good 80 - 67 points = 3 = average 66 - 50 points = 4 = pass 49 - 30 points = 5 = poor 29 - 0 points = 6 = fail</p> <p>A total of at least 50 grade points are required to pass the examination.</p>
<p>Access to next level of education / training</p> <p>Certified chemical industrial foreman</p>	<p>International agreements</p> <p>In the field of vocational training, joint declarations on the comparability of qualifications obtained in the respective vocational training systems have been signed on the basis of bilateral agreements concluded between Germany and France and between Germany and Austria.</p>
<p>Legal basis</p> <p>Ordinance on Vocational Education and Training in the chemical laboratory sector, biology and lacquer and varnish technology of 03/22/2000 (Federal Law Gazette, Part I, p 257) Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, KMK, of 13.01.2000), (Federal Gazette, No 149a of 10.08.2000)</p>	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Final examination administered by the competent body:</p> <ol style="list-style-type: none"> 1. after completion of dual training in a company and at part-time vocational school (normal procedure) 2. after retraining in a recognized training occupation 3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions
<p>Additional information</p> <p>Entry requirements: Entry requirements are not governed by legislation; as a rule, young people are admitted after completing (nine or ten years of) general education.</p> <p>Duration of training: 3,5 years.</p> <p>Training in the "dual system": Teaching of the knowledge, skills and competences needed for an occupation is based on the typical requirements of work and business processes and prepares the trainees for a specific job. The training is provided in a company and at part-time vocational school: In the company, the trainees acquire practical skills in a real working environment. On one or two days per week, the trainees attend part-time vocational school, where they are taught general and vocational knowledge related to their training occupation.</p> <p>More information is available at: www.berufenet.arbeitsagentur.de</p> <p>National Europass Centre www.europass-info.de</p>