

Training specification lacquer laboratory technician

1. Occupational title

Lacquer laboratory technician recognised in the ordinance of 22 March 2000 (BGBl. [Federal Law Gazette] I, p. 257)

2. Duration of training

Three and a half years

Training takes place at the in-plant and vocational school learning locations.

3. Field of activity

Lacquer laboratory technicians work in a team-oriented and project-related manner both in development and testing laboratories in the chemical, lacquer manufacturing and lacquer processing industries and in the research and development laboratories of institutes.

Their spectrum of tasks includes the formulation, manufacture, application and testing of coatings, coating materials and coating systems as well as advising customers.

In the research, development, quality control, application technology and environmental protection employment areas, they carry out measurements and investigations independently, evaluate the results with the aid of electronic data processing and document these. In their work they have to take into account with great responsibility in particular the rules and regulations of work safety, health protection, environmental protection as well as quality assurance.

Lacquer laboratory technicians have on the one hand a broad range of fundamental technical application knowledge and have – dependent on the in-plant training opportunities – also acquired specialist knowledge and abilities in the last third of their training.

4. Vocational skills

Lacquer laboratory technicians

- test raw materials and primary products with the help of physical and chemical methods;
- determine properties of coating materials and derive from this their areas of use;
- put together formulations for coating materials and coating systems in accordance with special requirements profiles and in accordance with customer orders;
- produce coating materials, independently selecting the work techniques and equipment to be used;
- establish coating technology statistics and check the resistance of coatings to physical and chemical demands;
- assess the surface quality of undersurfaces and coatings;
- evaluate measurement and experimental data, in particular with the use of electronic data processing, and document the results;
- apply coating materials manually and with the aid of automatic processes;
- take into account the relevant safety and environmental regulations when dealing with working substances, equipment and apparatus;
- advise customers;
- apply quality management measures in their work.