



## 1. TITLE OF THE CERTIFICATE (HU)

54-524-01 Laboratóriumi technikus

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

Laboratory Technician  
(THIS TRANSLATION HAS NO LEGAL STATUS)

## 3. PROFILE OF SKILLS AND COMPETENCES

**A typical holder of the certificate is able to:**

- Weigh up the quantity and technical condition of chemicals, materials, measuring devices and tools required for the tests;
- Check the availability and usability of work protection tools;
- Take samples or take over samples to be tested;
- Make preparations for the performance of chemical laboratory tests;
- Perform the examination of samples based on instructions in a chemical lab or at other external locations;
- Perform quality and quantity analytical work;
- Perform the examination of samples based on instructions in a chemical lab or at other external locations;
- Perform preparatory laboratory work;
- Perform laboratory operations independently or relying on the instructions of a senior with higher education (plant engineer or engineer) or based on technical instructions or other documentation;
- Evaluate the lab examinations performed and compare the results with the prescriptions;
- Perform work related to the quantity and quality analysis of solid matters, liquids and gases;
- Perform chemical and physical lab experiments;
- Perform quality and quantity analytical work;
- Comply with and apply decrees, regulations, standards and instructions related to his/her scope of work;
- Perform documenting tasks;
- Take part in performing pilot plant experiments;
- Take care of the laboratory's overall order;
- perform the maintenance work related to laboratory devices and equipment falling under his/her scope of tasks;
- Comply with and make sure that environment protection regulations and standards are adhered to.

## 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

3113 Food industry technician  
3134 Environmental technician  
3115 Chemist technician

### (\*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

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: <http://europass.cedefop.europa.eu/>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry for National Economy</p>																								
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b> 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p><b>ISCED2011 code:</b> 4</p> <p><b>NQF level:</b></p> <p><b>EQF level:</b></p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																								
<p><b>Certificate number: PT K</b></p> <p>Serial number: 123456</p> <p><b>Certificate issue date: 2023.10.02</b></p>	<p><b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Central written examination</td> <td style="width: 40%;">Basic chemical technical tasks</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 30%; text-align: center;">20.00</td> </tr> <tr> <td>Oral examination</td> <td>Theoretical fundamentals of basic lab tasks, chemical work and environment protection tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Oral examination</td> <td>Theoretical fundamentals of analytical and preparatory tasks, management tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Practical examination</td> <td>Basic laboratory tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20.00</td> </tr> <tr> <td>Practical examination</td> <td>Preparation and analysis of materials</td> <td style="text-align: center;">5</td> <td style="text-align: center;">30.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </table>	Central written examination	Basic chemical technical tasks	5	20.00	Oral examination	Theoretical fundamentals of basic lab tasks, chemical work and environment protection tasks	5	15.00	Oral examination	Theoretical fundamentals of analytical and preparatory tasks, management tasks	5	15.00	Practical examination	Basic laboratory tasks	5	20.00	Practical examination	Preparation and analysis of materials	5	30.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p><b>Access to next level of education/training</b></p> <p>Advancement to higher education</p>	<p><b>International agreements</b></p>																								
<p><b>Other information concerning the vocational training process</b></p>																									
<p><b>Legal basis</b></p> <p>Act CLXXXVII of 2011 on Vocational Training Professional and examination requirements specified in Decree No. 12/2013 (28 March) of the Ministry for National Economy.</p>																									

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 60 % Practice: 40 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

**Entry requirements:**

- Secondary school final exam

**Vocational requirement modules:**

- 11509-12 Lab technician analyst tasks
- 10096-12 Lab technician preparatory tasks
- 10097-12 Work and environment protection and work organisational tasks
- 10098-12 Basic chemical industry technical tasks
- 11452-12 General lab worker tasks
- 11498-12 Employment I (for courses based on secondary school-leaving examination)
- 11500-12 Occupational health and safety

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

**National Reference Point – NSZFH – <http://nrk.nive.hu>**

Head of Examination Organiser:  
Issue date: 2023.10.02

**SEAL**