

**1. TITLE OF THE CERTIFICATE (HU)**

54 524 03 Vegyész technikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Chemist technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES**A typical holder of the certificate is able to:**

- 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 chemical and physical lab experiments;
- 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;
- distinguish procaryotic cells (bacteria) from eucaryotic cells (such as molds) and cellular components with cellular staining;
- prepare microscopic preparations;
- recognise histological and physiological features;
- perform simple immunodiagnoses (such as precipitation);
- perform biochemical tests;
- observe anaerobic and aerobic metabolic processes.

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

3115 Chemist technician
3134 Environmental technician
3153 Operator of chemical industry base material processing equipment
8132 Operator of machine manufacturing chemical base materials and products
8133 Operator of pharmaceutical manufacturing machines
8134 Operator of fertiliser and plant protection producing machines

(*) 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/>

©European Communities 2002 ©

5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the institute issuing the certificate</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for National Economy</p>																								
<p>Level of the certificate (national or international)</p> <p>Level of vocational qualification according to the National Qualification Register: 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p>ISCED2011 code: 4</p> <p>NQF level: 5</p> <p>EQF level: 5</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																								
<p>Certificate number: PT K</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2021.07.21</p>	<p>Results achieved at the examination and their proportion expressed in percentage in the complex mark</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Central written examination</td> <td style="width: 45%;">Instrumental analytical tasks</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 20%; text-align: center;">20.00</td> </tr> <tr> <td>Oral examination</td> <td>Work and environment protection and work organisational tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20.00</td> </tr> <tr> <td>Oral examination</td> <td>Chemical procedure and measurements</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20.00</td> </tr> <tr> <td>Practical examination</td> <td>Laboratory practice</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20.00</td> </tr> <tr> <td>Practical examination</td> <td>Chemical measures, operations,</td> <td style="text-align: center;">5</td> <td style="text-align: center;">20.00</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	Instrumental analytical tasks	5	20.00	Oral examination	Work and environment protection and work organisational tasks	5	20.00	Oral examination	Chemical procedure and measurements	5	20.00	Practical examination	Laboratory practice	5	20.00	Practical examination	Chemical measures, operations,	5	20.00	Result achieved at the complex vocational examination, expressed in grades.		5	
Central written examination	Instrumental analytical tasks	5	20.00																						
Oral examination	Work and environment protection and work organisational tasks	5	20.00																						
Oral examination	Chemical procedure and measurements	5	20.00																						
Practical examination	Laboratory practice	5	20.00																						
Practical examination	Chemical measures, operations,	5	20.00																						
Result achieved at the complex vocational examination, expressed in grades.		5																							
<p>Access to next level of education/training</p> <p>Advancement to higher education</p>	<p>International agreements</p>																								
<p>Other information concerning the vocational training process</p>																									
<p>Legal basis</p> <p>Act CLXXXVII of 2011 on Vocational Training Decree 29/2016 (VIII.26.) NGM of the Ministry for National Economy on the professional and examination criteria of vocational courses.</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: 55 % Practice: 45 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years
<p>Entry requirements:</p> <ul style="list-style-type: none">- School leaving examination <p>Vocational requirement modules:</p> <ul style="list-style-type: none">11797-16 Laboratory tasks11850-16 Chemist technician tasks11849-16 Tasks related to the theory of chemistry11498-12 Employment I (for courses based on secondary school-leaving examination) <p>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.</p> <p>National Reference Point – NSZFH – http://nrk.nive.hu</p>		
Head of Examination Organiser: Issue date: 2021.07.21		SEAL