

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

54-524-02 Vegyipari technikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)Chemical Industry Technician
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES****A typical holder of the certificate is able to:**

- Control and supervise the delivery, storage and processing of raw materials and active substances of production;
- Take action regarding the performance of repair and maintenance work required in the course of the production;
- Perform basic prompt repair work (e.g. replacement of sealing, fitting of standard spare parts, checking of the lubricating system);
- Supervise the positioning and installation into the system of the available equipment;
- Take part in the installation of new equipment and participate in establishing the points of control;
- Ascertain that the equipment, manufacturing machines and laboratory devices under his/her supervision are calibrated and set prior to the change in shifts or production;
- Monitor the change in production parameters and evaluate and compare them with the technological instructions;
- Examine and make suggestions or take actions in order to rectify and potential production failures or quality problems;
- Ascertain that the conditions necessary for production are continuously available and ensure the undisturbed raw material and energy supply;
- Comply with and have employees comply with the relevant fire protection, work protection, environment protection and noise protection regulations pertaining to the plant and the manufacturing procedures;
- Perform the laboratory tests that serve as direct quality control measures and are required in relation to the manufacturing process;
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- Operate and handle the quality analysis and environment protection control analytical devices and equipment;
- As a participant, perform subtasks in the development of plans for the establishment and operation of new plants or ones to be refurbished, and prepare and perform chemical and physical laboratory experiments.

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

3115 Chemist technician
3153 Operator of chemical industry base material processing equipment
3134 Environmental technician
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/>

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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:</p> <p>EQF level:</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: 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;">15.00</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;">15.00</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;">15.00</td> </tr> <tr> <td>Oral examination</td> <td>Manufacture of pharmaceutical products</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Oral examination</td> <td>Manufacture of chemical products</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Practical examination</td> <td>Chemical industry operational tasks</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</td> </tr> <tr> <td>Practical examination</td> <td>Chemical procedure and measurements</td> <td style="text-align: center;">5</td> <td style="text-align: center;">15.00</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	15.00	Oral examination	Work and environment protection and work organisational tasks	5	15.00	Oral examination	Chemical procedure and measurements	5	15.00	Oral examination	Manufacture of pharmaceutical products	5	10.00	Oral examination	Manufacture of chemical products	5	15.00	Practical examination	Chemical industry operational tasks	5	15.00	Practical examination	Chemical procedure and measurements	5	15.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<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 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
<p>Entry requirements:</p> <ul style="list-style-type: none">- Secondary school final exam <p>Vocational requirement modules:</p> <ul style="list-style-type: none">10093-12 Operating and measuring tasks10097-12 Work and environment protection and work organisational tasks10098-12 Basic chemical industry technical tasks11477-12 Manufacture of pharmaceutical products11478-12 Manufacture of chemical products11479-12 Chemical procedures and measurements11498-12 Employment I (for courses based on secondary school-leaving examination)11500-12 Occupational health and safety <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