

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

55 5412 02 VEGYÉSZ-MÉRNÖKASSZISZTENS

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

- supervise and operate:
  - = manufacturing equipment and related controlling and measuring equipment operated in the chemical industry, food industry, in factories and workshops as well as in other non-chemical industry plants, factories and workshops with a chemical industry profile,
  - = equipment used for transportation, cooling and heating equipment, autoclaves, mixers, filtering and centrifuging equipment, distillators, evaporators and pressure vessels.
- as per regulations concerning the hierarchy of staff, direct, supervise and organise the activities of skilled workers, unskilled workers and other employees under his/her supervision for ensuring the adherence to manufacturing parameters and conditions for optimal operation;
- supervise plant operation by obtaining readings of production equipment under his/her supervision;
- perform on-site sampling and quick quality control analytical jobs as well as the evaluation thereof;
- carry out standard test, serial tests and basic laboratory procedures in quality control and chemical research laboratories;
- execute appropriate termination procedures of the operation of the production unit, machinery or individual machines under his/her supervision in the case of emergencies;
- apply and to observe:
  - = legal regulations, standards and stipulations related to or concerning his/her position,
  - = szabványokat. standards and stipulations related to environmental protection.

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

3115 Chemical 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>In the case of vocational qualifications belonging to the competence of the Ministry of Education (ME), a vocational qualification-related independent professional committee commissioned by the ME</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> 55 Higher level vocational qualification based on the baccalaureate.</p> <p><b>ISCED97 code:</b> 5B</p>	<p><b>Grading scale / Pass requirements</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Five -grade:</td> <td style="width: 5%;">5</td> <td style="width: 80%;">excellent</td> </tr> <tr> <td></td> <td>4</td> <td>good</td> </tr> <tr> <td></td> <td>3</td> <td>satisfactory</td> </tr> <tr> <td></td> <td>2</td> <td>pass</td> </tr> <tr> <td></td> <td>1</td> <td>fail</td> </tr> </table> <p>Vocational qualification examination after the completion of vocational training Parts of the examination: - Vocational theory - Vocational practice</p> <p>A successful vocational qualification examination requires a pass grade both in vocational theory and practice.</p>	Five -grade:	5	excellent		4	good		3	satisfactory		2	pass		1	fail																	
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<p><b>Certificate number:</b> PT K</p> <p><b>Serial number:</b> 123456</p> <p><b>Certificate issue date:</b> 2023.09.14</p>	<p><b>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</b></p> <p><b>1. Grades of vocational theoretical examination subjects</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 85%;">Vocational Skills and Informatics</td> <td style="width: 15%; text-align: center;">5</td> </tr> <tr> <td>Chemical Industry Processes, Technological Knowledge and Technology Related Calculations</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Foreign Language for Specific Purposes (English, German)</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Written Examination</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Topics/subjects of oral examination</td> </tr> <tr> <td>Chemical and Physical Chemical Knowledge and Calculations</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Chemical Industry Operations and Control Procedures</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Chemical Industry Technology</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Financial Issues, Management and Organisational Issues (Plant Management)</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Professional foreign language</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Thesis Defense</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> </table> <p><b>2. Assessment of vocational practical preparedness</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Subjects of practical examination</td> </tr> <tr> <td style="width: 85%;">Laboratory and Workshop-Based Measurements and Tests</td> <td style="width: 15%; text-align: center;">5</td> </tr> <tr> <td>Grade of Vocational Practice</td> <td style="text-align: center;">5</td> </tr> </table>	Topics/subjects of written examination		Vocational Skills and Informatics	5	Chemical Industry Processes, Technological Knowledge and Technology Related Calculations	5	Foreign Language for Specific Purposes (English, German)	5	Grade of Written Examination	5	Topics/subjects of oral examination		Chemical and Physical Chemical Knowledge and Calculations	5	Chemical Industry Operations and Control Procedures	5	Chemical Industry Technology	5	Financial Issues, Management and Organisational Issues (Plant Management)	5	Professional foreign language	5	Thesis Defense	5	Grade of Vocational Theory	5	Subjects of practical examination		Laboratory and Workshop-Based Measurements and Tests	5	Grade of Vocational Practice	5
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<p><b>Other information concerning the vocational training process</b></p>																																	
<p><b>Legal basis</b></p> <p>Act LXXVI of 1993 on vocational training, Decree 27/2001 (VII. 27.) OM of the Minister of Education on the amendment of Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 26/2001 (VII. 27.) OM of the Minister of Education on the general rules and rules of procedure of vocational examinations, Decree 18/1995. (VI.6.) of the Minister of Industry and Trade (IKM) on vocational and examination requirements of chemical engineer assistant.</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

**Entry requirements:**

- Baccalaureate

**Further information:**

MANDATORY VOCATIONAL THEORETICAL SUBJECTS

Filled in by the exam organiser.

MANDATORY VOCATIONAL PRACTICAL SUBJECTS

Filled in by the exam organiser.

**Further information (including the description of the national grading method):**

The basis of the grading system is a list of vocational and examination requirements compiled in accordance with uniform criteria and structure, issued in the form of legal regulation that includes the following:

- identification number and description of the vocational qualification as specified in OKJ and the relevant FEOR number,
- school and vocational prequalification required for the start of the training, aptitude and vocational competence requirements and prescribed practice,
- the most typical occupation or activity accessible to the holder of the vocational qualification certificate, the short job description, and the list of related vocational qualifications,
- the duration of the training required for the vocational qualification; maximum number of hours; the ratio of theoretical and practical training; the number of vocational training classes in the vocational training school; the duration of initial training period; the possibility of organising a grade examination assessing the efficiency of practical training,
- occupational requirements of vocational qualification,
- requirements pertaining to vocational examination.

The vocational and examination requirements will be classified by the occupational group committees of the National Qualification Register (OKJ) and by the National Council for Vocational Training, and subsequently they will be issued in the form of legal regulations.

Vocational and examination requirements are available at: <http://www.nive.hu>

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: 2023.09.14

**SEAL**