

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

52 5412 01 ÁLTALÁNOS VEGYÉSZTECHNIKUS

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

- operate:
 - = manufacturing equipment and related controlling and measuring equipment in chemical industry and food industry plants, factories and workshops as well as in other non-chemical industry profile but chemical industry type plants, factories and workshops;
 - = material transportation, heating and cooling equipment, autoclaves, mixers, filtering and centrifuging equipment, evaporators and distillers as well as pressure vessels;
- direct, supervise and organise the work of staff under his/her supervision (skilled workers, unskilled workers);
- execute:
 - = the plant sampling and quick quality control analytical jobs as well as the evaluation thereof;
 - = standard tests, serial tests and basic laboratory procedures in chemical laboratories;
- evaluate measurements and prepare appropriate documentation and reports about the obtained readings, conclusions and suggestions;
- control plant operation by reading the measuring devices of production equipment under his/her supervision;
- manage the safe termination of the operation of production units, machine units or single 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;
 - = 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>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>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>Level of the certificate (national or international)</p> <p>Level of vocational qualification according to the National Qualification Register: 52 Intermediate vocational qualification entitling the holder to fill positions requiring physical or intellectual work, which is based on the input competence determined in the vocational and examination requirements, on preliminary vocational qualification or on the baccalaureate.</p> <p>ISCED97 code: 4CV</p>	<p>Grading scale / Pass requirements</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Five -grade:</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 75%;">excellent</td> </tr> <tr> <td></td> <td style="text-align: center;">4</td> <td>good</td> </tr> <tr> <td></td> <td style="text-align: center;">3</td> <td>satisfactory</td> </tr> <tr> <td></td> <td style="text-align: center;">2</td> <td>pass</td> </tr> <tr> <td></td> <td style="text-align: center;">1</td> <td>fail</td> </tr> </table> <p>Vocational qualification examination after the completion of vocational training</p> <p>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>Certificate number: PT K</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2015.01.15</p>	<p>Description of vocational theoretical and practical subjects and their grades according to the five-grade scale</p> <p>1. Grades of vocational theoretical examination subjects</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: left;">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 80%;">Initial vocational education and informatics</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Chemical industry related processes and technological issues and calculations</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" style="text-align: left;">Topics/subjects of oral examination</td> </tr> <tr> <td>Chemistry and Physical Chemistry</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Chemical industry processes and the control thereof</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>Grade of Vocational Theory</td> <td style="text-align: center;">5</td> </tr> </table> <p>2. Assessment of vocational practical preparedness</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: left;">Subjects of practical examination</td> </tr> <tr> <td>Laboratory and Workshop-Based Measurements and Tests</td> <td style="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		Initial vocational education and informatics	5	Chemical industry related processes and technological issues and calculations	5	Grade of Written Examination	5	Topics/subjects of oral examination		Chemistry and Physical Chemistry	5	Chemical industry processes and the control thereof	5	Chemical Industry Technology	5	Financial Issues, Management and Organisational Issues (Plant Management)	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>Access to next level of education/training</p> <p>To higher education</p>	<p>International agreements</p>																										
<p>Other information concerning the vocational training process</p>																											
<p>Legal basis</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 Qualification Register, Decree no. 26/2001. (VI.27.) OM of the Minister of Education on the general rules and rules of procedure of vocational examinations, Decree 20/1996. (III.28.) of the Minister of Industry and Trade (IKM) on vocational and examination requirements of non-specialised chemical technician, Central programme approved by the Minister of Labour (MüM) under approval number 1733/97. (III.23.).</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: 70 % Practice: 30 %	
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

Professional foreign language	100 hours
Occupational safety and environmental protection	100 hours
Labour Law, Enterprises and Management	100 hours
Chemistry, Physical Chemistry	100 hours
Technical studies	100 hours
Chemical Industry Processes and Control Procedures Thereof	100 hours
Chemical Industry Technology	100 hours

MANDATORY VOCATIONAL PRACTICAL SUBJECTS

Training Laboratory Practice	100 hours
Production Related Training Laboratory Practice	100 hours
Uninterrupted Period of Long-Term Vocational Practice	100 hours

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: 2015.01.15

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