

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

31 5232 02 HŐKEZELŐ

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

TEMPERER

(THIS TRANSLATION HAS NO LEGAL STATUS)

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

- relying on his/her specialised theoretical and practical preparedness, perform the following jobs in addition to tasks related to general installation, failure detection, testing, selection of materials, labour safety and environmental protection;
- take part in:
 - = the preparation and implementation of tempering processes of semi-finished and finished products made of non-ferrous and light metal alloys, unalloyed, alloyed and special structural and tool steels as well as of cast irons relying on professional instructions,
 - = the commissioning as well as professional and economic running of tempering furnaces, furnace systems,
 - = the detection of the root cause of breakdowns under supervision,
 - = the repair and elimination of minor instances of faulty operation,
 - = the selection, adjustment, professional use and maintenance of mechanical as well as other auxiliary equipment and hand tools necessary for tempering,
 - = the selection, preparation and application of indirect materials necessary for tempering bearing environmental aspects in mind;
- participate in the quality assurance of tempering processes and products;
- perform simple quality assurance tests on materials necessary for technological processes as well as on tempered products;
- interpret and apply technical documentation necessary for producing pieces as well as for the execution of assembly and tempering jobs;
- observe labour safety and environmental protection related regulations while at work and during commissioning.

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

7414 Temperer

(*) 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: 31 Intermediate vocational qualification entitling the holder to fill positions requiring physical work, which is based on the input theoretical and practical knowledge elements determined in the vocational and examination requirements (hereinafter: input competence) or on the basic school qualification certified with the completion of the eighth grade.</p> <p>ISCED97 code: 3CV</p>	<p>Grading scale / Pass requirements</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Five -grade:</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 60%;">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: 2023.09.14</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">Topics/subjects of written examination</td> </tr> <tr> <td style="width: 80%;">Vocational studies</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Work planning</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>Vocational studies</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Knowledge of Materials and Production</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Related Financial Issues, Labour Law, Labour Safety and Environmental Protection</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">Subjects of practical examination</td> </tr> <tr> <td style="width: 80%;">Final exam project</td> <td style="width: 20%; text-align: center;">5</td> </tr> <tr> <td>Material Tests and Examinations</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		Vocational studies	5	Work planning	5	Grade of Written Examination	5	Topics/subjects of oral examination		Vocational studies	5	Knowledge of Materials and Production	5	Related Financial Issues, Labour Law, Labour Safety and Environmental Protection	5	Grade of Vocational Theory	5	Subjects of practical examination		Final exam project	5	Material Tests and Examinations	5	Grade of Vocational Practice	5
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<p>Access to next level of education/training</p> <p>To secondary 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 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 no. 50/1999. (IX.10.) GM of the Minister of Economic Affairs on the amendment of Decree no. 5/1997. (III.5.) IKIM of the Minister of Industry, Trade and Tourism on qualifications required for performing specific industrial, commercial and tourism related activities, Decree 20/1996. (III.18.) of the Minister of Industry and Trade (IKM) on vocational and examination requirements of Temperer, Central programme approved by the Minister of Labour (MüM) under approval number 2922/97. 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: 40 % Practice: 60 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- Elementary education evidenced by a certificate of the completion of the eighth year plus reaching minimum the school-leaving age

Further information:

MANDATORY VOCATIONAL THEORETICAL SUBJECTS

Social Studies	37 hours
Labour safety and environmental protection	37 hours
Related Financial Issues and Entrepreneurial Skills	52 hours
Technical display	72 hours
Knowledge of Materials and Production	72 hours
Electrical Engineering	35 hours
Automatics, Control Technology	37 hours
Tempering	179 hours

MANDATORY VOCATIONAL PRACTICAL SUBJECTS

Vocational Practice in Tempering	1393 hours
Training Laboratory Practice	185 hours
Basic Measurements	74 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: 2023.09.14

SEAL