

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

55-524-03 Műszeres analitikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Instrumental Analyst

(THIS TRANSLATION HAS NO LEGAL STATUS)

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

- Perform sampling and data collection duties;
- Perform instrumental analytical examinations and laboratory experiments, thereby helping the work of scientists and engineers in their work related to the quantity and quality examination of solid matters, liquids and gases;
- Perform and supervise electro-chemical, optical and chromatographic examinations within the framework of instrumental analytical work;
- Perform quality control tests;
- Supervise plant laboratory work and in-process control;
- Perform evaluation and analytical calculations related to laboratory tests;
- Perform validating tasks;
- Install measuring devices and take part in the commissioning of new equipment;
- Monitor the technical condition of machines and equipment under his/her supervision;
- Participate in trainings, post trainings and workshops.

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

3115 Chemist 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>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: 55 advanced vocational qualification add-ons, which are based on vocational qualifications requiring 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: 2023.10.02</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%;">Oral examination</td> <td style="width: 45%;">Analytical evaluation methods</td> <td style="width: 10%; text-align: center;">5</td> <td style="width: 20%; text-align: center;">40.00</td> </tr> <tr> <td>Practical examination</td> <td>Define the quantity and quality composition of solid, liquid and gas samples with instrumental analytic methods and calculations, in terms of the preciseness of calculations and analytic examinations</td> <td style="text-align: center;">5</td> <td style="text-align: center;">60.00</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>	Oral examination	Analytical evaluation methods	5	40.00	Practical examination	Define the quantity and quality composition of solid, liquid and gas samples with instrumental analytic methods and calculations, in terms of the preciseness of calculations and analytic examinations	5	60.00	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: 40 % Practice: 60 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		1 year

Entry requirements:

- Secondary school
- 54 524 01 Lab technician or 54 524 02
- Chemical technician
- final exam

Vocational requirement modules:

11314-12 Instrumental analytical lab duties
11315-12 Evaluation of measurement data, analytical calculations
11316-12 Analytical evaluation methods

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: 2023.10.02

SEAL