

1. TITLE OF THE CERTIFICATE (CZ)⁽¹⁾

**Vysvědčení o maturitní zkoušce z oboru vzdělání:
28-42-L/01 Chemik operátor (denní studium)**

⁽¹⁾ In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE⁽²⁾

**Maturita Certificate in:
28-42-L/01 Chemist Operator (full-time study)**

⁽²⁾ This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

General competences:

- be familiar with various methods of learning, use sources of information well, show functional literacy;
- understand assignments or identify the cores of problems, exert variable solutions, work both independently and within a team;
- communicate in one foreign language at the level of at least B1 of the Common European Framework of Reference for Languages;
- cope with changing socio-economic conditions, be financially literate;
- be aware of the labour market mechanisms, and of the employee-employer relationships, act on career decisions responsibly, understand the significance of lifelong learning;
- use basic mathematics and the basic principles of physics and chemistry when needed in daily situations;
- work with the means of information and communication technologies, exploit adequate sources of information, handle information effectively;
- act in an environmentally-conscious manner and in compliance with strategies for sustainability;
- support values of local, national, European and world cultures, recognize the value of life;
- exert fundamentals of health protection, occupational safety, and fire prevention and safety;
- exert norms and prescriptions in the field.

Vocational competences:

- know the physical-chemical nature of the mechanical, hydro-mechanical, thermal and diffusion operations, know the principles of production facilities and chemical apparatus;
- manage independently basic and complex technological operations using the knowledge about the properties of substances and their behavior, respond properly to various phenomena in the ongoing chemical processes and deal with the situation in the assigned technology segment;
- check the progress of chemical phenomena and processes using appropriate measurement techniques, process and analyze audit records;
- operate machines and equipment of subsection of a chemical operation, and provide basic maintenance and optimal mode of operations with respect to the technological requirements, production efficiency and minimize the negative impact on the working and living environment;
- know the basic analytical procedures, use them in the relevant chemical processes, evaluate the results and draw qualitative and quantitative conclusions;
- comply with the relevant standards, standard methods of analysis in the relevant sites and laboratories, observe technological discipline in chemical industries, work with the technical and technological documentation, have knowledge of the legislation in the field of chemistry and ensure compliance with it.

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



The graduate is employed as chemical technician in the field of chemical production and in other industrial chemistry productions in work activities related to the operation and management of chemical-technological processes and in the control of these processes using the operating system and laboratory tests and measurements. According to the chosen specialization the graduate can find employment in the production of basic inorganic and organic substances, oil processing and fuels, in the pharmaceutical production, in the production of fats and cosmetics, cellulose and paper, and in other areas of industrial chemical production.

Examples of possible jobs: technologist, dispatcher, quality controller, quality control technician, foreman, business or economic specialist.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate Masarykova střední škola zemědělská a přírodovědná, Opava, příspěvková organizace Purkyňova 12 Opava 746 01 CZ public school	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Youth and Sports Karmelitská 7 118 12 Praha 1 Czech Republic		
Level of the certificate (national or international) Upper secondary education completed by the Maturita examination ISCED 354, EQF 4	Grading scale <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Result in the general section – success rate in % Czech language and literature, foreign language: more than 87 % to 100 % excellent - 1 more than 73 % to 87 % commendable - 2 more than 58 % to 73 % good - 3 44 % to 58 % sufficient - 4 0 % and less than 44 % insufficient - 5 Mathematics and Advanced Mathematics: more than 85 % to 100 % excellent - 1 more than 67 % to 85 % commendable - 2 more than 49 % to 67 % good - 3 33 % to 49 % sufficient - 4 0 % and less than 33 % insufficient - 5 </td> <td style="width: 50%; vertical-align: top;"> Pass requirements 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) Overall assessment: Prospěl s vyznamenáním: Pass with Honours (the average mark is ≤ 1,5) Prospěl: Pass (an examination mark is not worse than 4) Neprospěl: Fail (the examination mark in one or more subjects is 5) </td> </tr> </table>	Result in the general section – success rate in % Czech language and literature, foreign language: more than 87 % to 100 % excellent - 1 more than 73 % to 87 % commendable - 2 more than 58 % to 73 % good - 3 44 % to 58 % sufficient - 4 0 % and less than 44 % insufficient - 5 Mathematics and Advanced Mathematics: more than 85 % to 100 % excellent - 1 more than 67 % to 85 % commendable - 2 more than 49 % to 67 % good - 3 33 % to 49 % sufficient - 4 0 % and less than 33 % insufficient - 5	Pass requirements 1 excellent (výborný) 2 very good (chvalitebný) 3 good (dobrý) 4 satisfactory (dostatečný) 5 fail (nedostatečný) Overall assessment: Prospěl s vyznamenáním: Pass with Honours (the average mark is ≤ 1,5) Prospěl: Pass (an examination mark is not worse than 4) Neprospěl: Fail (the examination mark in one or more subjects is 5)
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Access to next level of education / training ISCED 655/645/746, EQF 6 and EQF 7 (EQF7 only for Long first degree programmes at Master's)	International agreements		
Legal basis Law No. 561/2004 on Pre-school, Basic, Secondary, Post-secondary and Other Education (School Act) as amended by later regulations Ss. 22 and 24 of the Decree No. 177/2009 Coll., on Detailed Conditions for Completing Education by the School-leaving Examination in Secondary Schools, as amended.			

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme	Duration
<ul style="list-style-type: none"> • School- / training centre-based • Workplace-based • Accredited prior learning 	The ratio between theoretical education and practical training is defined by education providers themselves with regard to the respective educational programme and the employers' needs.	
Total duration of the education / training leading to the certificate		4 years / 4 096 lessons
Entry requirements Completed compulsory school education		
Additional information More information (including a description of the national qualifications system) available at: www.npicr.cz and www.eurydice.org		
National Pedagogical Institute of the Czech Republic – National Europass Centre Czech Republic, Senovážné nám. 872/25, 110 00 Praha 1		
		  stamp and signature Done at Prague for the school year 2023/2024

(*) Explanatory note

The Certificate supplement provides additional information about the certificate and does not have any legal status in itself. Its format is based on the Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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