



1. Title of the certificate (LT)¹

Kvalifikacijos pažymėjimas. Šaldymo įrengimų mašinisto mokymo programa (valstybinis kodas 362071302)

¹in original language

2. Translated title of the certificate (EN)¹

Qualification certificate. Machinist of refrigeration plants training programme (state code 362071302)

¹If applicable. This translation has no legal status.

3. Profile of skills and competences

1. Know the main physical and thermodynamic processes of cooling equipment.
2. Know types of cooling agents (ammonia, CFCs, and carbonic acid) and their characteristics.
3. Know the main data about the function, construction, operation, and selection of compressors, steamers, air coolants, etc.
4. Know the main principles of electrical engineering and the construction, activation, and control of electrical engines.
5. Know the construction and operation of cooling equipment (lubricant collectors, separators, pressure vessels, and pumps).
6. Know the schemes of cooling equipment.
7. Know the regulation and automatic protection of automatic technological processes.
8. Install cooling equipment.
9. Maintain cooling equipment.
10. Organise the repair of cooling equipment.
11. Maintain the most economical mode of cooling equipment.
12. Observe health and safety and environmental requirements.

4. Range of occupations accessible to the holder of the certificate¹

The holder may use and perform the technical maintenance of ammonia cooling equipment and perform the repair of such equipment at companies in the food industry, etc.

¹ If applicable

(*) Explanatory note

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: 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.

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5. Official basis of the certificate		
Name and status of the body awarding the certificate Legal entity with licence to provide formal vocational training programmes		Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education and Science of The Republic of Lithuania
Level of the certificate (national or international) ISCED 454; LTKS III; EKS 3		Grading scale / Pass requirements 10 grade scale. A Pass Grade - Grade 7-10 or entry "Passed"
Access to next level of education/training Possibility to continue studies at the higher level of education programme		International agreements
Legal basis Law on Education of the Republic of Lithuania Law on Vocational Education and Training of the Republic of Lithuania Resolution No. 535 of 4 May 2010 of the Government of the Republic of Lithuania "On the approval of the description of the National Qualifications Framework"		
6. Officially recognised ways of acquiring the certificate		
Aggregate duration of learning required to get the certificate (in weeks): 13 Ratio of theoretical and practical learning (%): 38/62 Duration and place of apprenticeship (in weeks): (6)		
Possibility to include passed education: passed education included by evaluating the knowledge		
Description of vocational education and training received	Part of programme (%)	Duration (in weeks)
School-/training centre-based	38	5
Workplace-based	62	8
Accredited prior learning		
Total duration of the education/ training leading to the certificate		13
Entry requirements		
Additional information More information (including the description of the national system of qualifications) at: www.aikos.smm.lt , www.europass.lt , www.euroguidance.lt , www.kpmc.lt		
The National Reference Points: www.europass.lt , www.smpf.lt		