



Type Approval Certificate
No. 3-4.3.5.2./39004 A/2018

Issued in accordance with Article 1.8.7.2. of the European Agreement Concerning the International Carriage of Dangerous Goods by Road / the Regulations Concerning the International Carriage of Dangerous Goods by Rail (ADR/RID), the Directive 2010/35/EU (TPED) and Annex 1 of the Directive 2008/68/EU

We hereby certify that the type of cylinders conforms with the
Directive 2010/35/EU (TPED) and the Directive 2008/68/EU

HOLDER OF THE CERTIFICATE:

NOVOGAS

Registration No. 500235715

DESCRIPTION OF PRODUCT RANGE:

NAME	Liquefied propane gas cylinders
MANUFACTURER	NOVOGAS; ОАО «НЗГА» (Открытое акционерное общество "Новогрудский завод газовой аппаратуры")
LOCATION OF THE MANUFACTURER	Mickevicha 109, 231400, Novogrudok, Belarus (ул. Мицкевича 109, 231400, г. Новогрудок, Республика Беларусь)
TYPE IDENTIFICATION NO.	H355.00.00
MAX. ALLOWABLE PRESSURE PS (BAR)	16
TEST PRESSURE (BAR)	30
NOMINAL VOLUME (l)	50
MAX. ALLOWABLE TEMPERATURE TS (°C)	- 20 ÷ +65
DESIGNED FOR LIQUIDS	Liquefied petrol gas (LPG)
UN No of FLUIDS	1011; 1075; 1965; 1969; 1978
CLASSIFICATION OF FLUID	2F
PERIOD BETWEEN PERIODIC INSPECTIONS (YEARS)	10
MAXIMUM FILLING RATIO	According to the ADR/RID packing instruction P200

CERTIFICATE FIRST ISSUED: 28.03.2015
CERTIFICATE ISSUED: 31.01.2018
CERTIFICATE EXPIRES: 28.03.2025


Gints Filipsons
Inspection Manager

This Certificate consists of this page and an Annex on 2 (two) pages.



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I. List of standards and other regulations used for the assessment:

1. The European Agreement Concerning the International Carriage of Dangerous Goods by Road 2017 (ADR);
2. Directive 2008/68/EU of the European Parliament and of the Council of 24 September 2008 on the inland transportation of dangerous goods;
3. Directive 2010/35/EU of the European Parliament and of the Council of 16 June 2010, on transportable pressure equipment and repealing Council Directives 76/767/EEC, 84/525/EEC, 84/526/EEC, 84/527/EEC and 1999/36/EC (TPED directive (2010/35/EU));
4. EN 1442:2006+A1:2008 LPG equipment and accessories - Transportable refillable welded steel cylinders for LPG - Design and construction;
5. For all the type tests the most recent version of standards mentioned in EN 1442 were applied.

II. Performed type examination tests and results

Sample cylinders for the type testing from the first batch of cylinders were taken by Inspecta Latvia according to EN 1442.

	Result
Batch size	50
Number of cylinders for the tests	D00010; D00012; D00016; D00019; D00021; D00031; D00035; D00038; D00207

Test	Article in EN 1442	Result
Mechanical - Tensile	7.4	Positive
Mechanical - Bend	7.5	Positive
Burst	7.6	Positive
Pressure	7.7	Positive
Radiographic	7.8	Positive
Macro	7.9	Not performed
Visual	7.10	Positive
Fatigue	7.11	Positive
Drop testing	5.7	Positive

III. Type examination reports

All tests were performed by an accredited laboratory OAO "Новогрудский завод газовой аппаратуры" under supervision of Inspecta Latvia.

Test	No and date of report
Radiographic	RT001D 24.03.2015 RT002D 24.03.2015
Mechanical - Tensile	MR/001D 25.03.2015 MR/002D 25.03.2015
Mechanical - Bend	ZG/001D 26.03.2015 ZG/002D 26.03.2015
Burst	PR/001D 24.03.2015 PR/002D 24.03.2015
Visual	VT-IZ/001D 24.03.2015 VT-IZ/002D 24.03.2015
Fatigue	Y/001D 27.03.2015 Y/002D 09.04.2015 Y/003D 09.04.2015
Drop testing	24.01.2018



4. List of the relevant parts of the technical documentation:

Document type	Identification and version of the document
	H3 55.00.00
Drawings	H3 55.00.00 CБ 22.01.2018 H3 55.01.07 12.05.2015 H3 55.01.09 18.02.2015 H3 55.01.12 18.01.2018 H3 55.01.13 18.02.2015 H3 55.02.03 11.09.2014 H3 55.02.14 22.01.2018 H3 51.02.07 18.02.2015 H3 51.01.08 18.02.2015 H3 90.01.07 -01 04.03.2010 2101-4434.000.004 01.09.2017
Description	H3 55.00.00 TO 20.03.2015
Strength calculations	H3 55.00.00-02 PP 16.01.2018
Instruction of usage	H3 55.00.00 PЭ 16.01.2018
Welding procedures and approvals	WPS-04/11; WPQR-04/11; 12.09.2011 WPS-06/11; WPQR-06/11; 12.09.2011 WPS-07/11; WPQR-07/11; 12.09.2011 WPS-03/13; WPQR-03/13; 17.04.2013 WPS-04/13; WPQR-04/13; 17.04.2013
Other information	List of standards used in the designing and manufacturing of cylinders 50l, 18.03.2015 List of standards used in the designing and manufacturing of cylinders 50l, 12.01.2018 Information about the design of cylinders, intended use and accessories used Description of the heat treatment procedure A copy of the Accreditation Certificate of the laboratory BY/112 02.2.0.0628 20.09.1997 issued on 08.11.2010 A copy of the Accreditation Certificate of the laboratory BY/112 02.2.0.0628 20.09.1997 issued on 27.11.2015



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