



Type Approval Certificate
No. 3-4.3.5.2./39008/2017

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/EC

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

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.	ГЛИУ. 455.00.00
MAX. ALLOWABLE PRESSURE PS (BAR)	16
TEST PRESSURE (BAR)	30
NOMINAL VOLUME (l)	79
MAX. ALLOWABLE TEMPERATURE TS (°C)	- 20 ÷ +65
MENTIONED FOR FLUIDS	Liquefied petrol gas (LPG)
UN No of FLUIDS	1011; 1075; 1965; 1978
CLASSIFICATION OF FLUID	2F
PERIOD BETWEEN PERIODIC INSPECTIONS (YEARS)	10
MAXIMUM FILLING RATIO	According to the ADR/RID packing instruction P200

CERTIFICATE ISSUED: 12.09.2017

CERTIFICATE EXPIRES: 12.09.2027

Gints Filipsons
Inspection Manager

Akociju sabiedriba
kiwa
Inspecta Latvia

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

CERTIFICATE



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Annex

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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/EC 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.

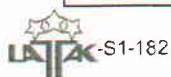
	Result
Batch size	79
Number of cylinders for the tests	E00008; E00016; E00023; E00039; E00058; E00067; E00072; E00091

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
Visual	VT-IZ/001 19.07.2017 VT-IZ/002 19.07.2017
Radiographic	RT/001 19.07.2017; RT/002 19.07.2017 RT/003 19.07.2017; RT/004 19.07.2017 RT/005 19.07.2017; RT/006 19.07.2017 RT/007 19.07.2017
Mechanical - Tensile	MR/001 20.07.2017; MR/002 20.07.2017
Mechanical - Bend	ZG/001 20.07.2017; ZG/002 20.07.2017
Burst	PR/001 19.07.2017; PR/002 19.07.2017
Macro	-
Fatigue	Y/001 08.08.2017 Y/002 08.08.2017 Y/003 08.08.2017



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

Document type	Identification and version of the document
	ГЛИУ. 455.00.00
Drawings	ГЛИУ. 455.00.00 СБ 20.06.2017 ГЛИУ. 455.00.01 18.01.2017 ГЛИУ. 455.00.02 18.01.2017 ГЛИУ. 455.00.03 18.02.2017 НЗ 90.01.07-01 04.03.2010 2101-4434.000.004-02 19.07.2005 НЗ 22.10.00.04 22.03.2013 ГЛИУ. 455.00.04 18.01.2017
Description	ГЛИУ. 455.00.00 ТӨ 20.06.2017
Strength calculations	ГЛИУ. 455.00.00 РР 20.01.2017
Instruction of usage	ГЛИУ.455.00.00 РЭ
Welding procedures and approvals	WPS-04/14; WPQR-04/14; 18.11.2014 WPS-06/14; WPQR-06/14; 18.11.2014 WPS-07/14; WPQR-07/14; 18.11.2014 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 79I, 20.06.2017; 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 27.11.2015



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