



**CERTIFICATE OF TYPE APPROVAL**  
**No 1468-TPED-15305**

Issued for:  
(name and address)

**Stako Spółka z ograniczoną odpowiedzialnością**  
**ul. Poznańska nr 54**  
**76-200 Słupsk**

Confirms that:

**LPG cylinders type B-2210**

Submitted to:

**type approval in accordance with 1.8.7.2 and 6.2.1.4 and 6.2.3.6 ADR**

Meets the requirements:

**Directive 2010/35/EU of the European Parliament and of the Council of 16 June 2010**  
**on transportable pressure equipment**

Additional information:

**Appendix no 1468-TPED-15305.1**

Certificate remains valid subject to observance by the holder all the obligations of the contract No JN-1468-TPED-01321 and the requirements of the reference documents for the assessment conducted. Product should meet the requirements of the reference documents specified in the appendix 1468-TPED-15305.1 and cannot be subject to any modifications. Reports, protocols and records on its inspections and tests constitute an integral part of this certificate.

Place and date of issue

Warszawa, 2022-02-16

Date of certificate validity

2032-02-16

Date of translation: 2022-03-03

Deputy Director  
of Transportowy Dozór Techniczny

Małgorzata Moździerz-Zarzyka



**NOTIFIED BODY 1468**



# TRANSPORTOWY DOZÓR TECHNICZNY

Appendix no 1468-TPED-15305.1 to certificate of type approval no 1468-TPED-15305

Issued for:  
(name and address) **Stako Spółka z ograniczoną odpowiedzialnością**  
**ul. Poznańska nr 54**  
**76-200 Słupsk**

Product: **LPG cylinders type B-2210**

Technical documentation:  
(number, revision) **Technical documentation of LPG bottles, July 2021**

Product characteristic: **Material: steel P310 NB, in acc. PN-EN 10120, minimum strength parameters:  $R_e \geq 310$  MPa,  $R_m \geq 460$  MPa.**  
**Calculation and test pressure  $PT=30$  bar**  
**Working pressure  $PS=20$  bar**  
**Diameter: 300 mm**  
**Capacity: 26,36 litres**

The assessment protocol: **TDT/JN-517/5/22; TDT/JN-517/9/22; TDT/JN-517/12/22; TDT/JN-517/14/22; TDT/JN-517/15/22; TDT/JN-517/23/22; TDT/JN-517/116/22; TDT/JN-517/114/22; TDT/JN-517/121/22; TDT/JN-517/124/22**

Scope of limitation: **Liquefied Petroleum Gas (LPG) - a low pressure liquefied gas composed of one or more light hydrocarbons which are assigned to UN:**

<b>UN-number</b>	<b>Name, class, classification code and packaging group</b>
<b>1011</b>	<b>BUTANE class 2, classification code 2F</b>
<b>1075</b>	<b>PETROLEUM GASES, LIQUEFIED, class 2, classification code 2F</b>
<b>1965</b>	<b>HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. such as mixtures A, A01, A02, A0, A1, B1, B2, B or C), class 2, classification code 2F</b>
<b>1969</b>	<b>ISOBUTANE, class 2, classification code 2F</b>
<b>1978</b>	<b>PROPANE, class 2, classification code 2F</b>

**only and which consists mainly of propane, propene, butane, butane isomers, butene with traces of other hydrocarbon gases**

**Range of temperature:  $-20^{\circ} \div +65^{\circ}C$**

Date of the next periodic inspection: --

List of standards:

Standard number	Title	Edition
ADR PN-EN 1442	European Agreement Concerning the International Carriage of Dangerous Goods by Road LPG equipment and accessories -- Transportable refillable welded steel cylinders for LPG -- Design and construction	2021 2017-08

List of approved documents:

Title	Reference	Edition
1. Purpose.		
2. Conformity assessment		
3. Construction		
4. EU declaration of conformity sample.		

Deputy Director  
of Transportowy Dozór Techniczny

Małgorzata Moździerz-Zażyka

NOTIFIED BODY 1468

## TRANSPORTOWY DOZÓR TECHNICZNY

Appendix no 1468-TPED-15305.1 to certificate of type approval no 1468-TPED-15305

<p>5. Risk analysis.</p> <p>6. List of used standards</p> <p>7. Calculation of Family LPG Bottle, according to PN-EN 1442.</p> <p>8. Other documents, including material attests.</p> <p>9. User's manual of Stako LPG cylinders manufactured acc. to 2014/68/EU and 2010/35/EU and PN-EN 1442 standard.</p> <p>10. Drawings:</p> <ul style="list-style-type: none"><li>- „LPG cylinders”,</li><li>- „Mantel cylinder”,</li><li>- Bottom D300 in acc. with EN1442 TPED;PEd g=2.5”,</li><li>- „Shell+hole D300 EN1442 PED; TPED g=2.5”,</li><li>- Label Bottle in acc. with EN1442 PED 2014/68/EU; TPED 2010/35/EU</li><li>- „Armature plate”</li></ul>	<p>2210.01.000</p> <p>2210.01.001</p> <p>142.29.300</p> <p>142.29.300.01</p> <p>TZ-349</p> <p>B-14.02</p>	
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List of technical approvals/ authorisations, homologations and other certificates:

Title	Issued by	Reference number / date	Date of issue / date of validity
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Data concerning the operation, routine maintenance and regulation can be found in technical documentation. The applicant concluded information on product conformity with directive 2010/35/EU. This information is included in the technical documentation.

# TTDT

Deputy Director  
of Transportowy Dozór Techniczny

Małgorzata Możdziej-Zarzyka

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