



# REPORT

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Logstor Polska Sp. zo.o.  
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Mikulczyce  
PL-41-807 Zabrze  
Poland

## Annual inspection for EHP-approval

Manufacturer: Logstor Polska Sp. zo.o., Zory  
Product: District heating pipes, OPTI production  
Standard: EN 253:2009+A2:2015 and EN 15698-1:2009  
Certification rules: Euroheat & Power EHP/001, January 2016  
Certificate: 01/10  
Agreement: 210-04-0347  
Date of inspection: 2016-04-14  
Manufacturer's representative: Iwona Szolc, Beata Bondaruk

Manufacturer Quality Certificate: ISO 9001:2008

At the inspection visit the manufacturer's quality plan and quality surveillance resources were examined in respect of the requirements laid down in EN 253:2009+A2:2015 and EN 15698-1:2009 and in the Euroheat & Power Certification Guidelines EHP/001, January 2016. The examination also included the extent and results of the manufacturer's internal quality surveillance activities directed towards the products in question.

The tables below summarise the results of the assessments performed. The corresponding clause in EN 253:2009+A2:2015 and EN 448:2009 are given as reference.

### Service pipe, EN 253:2009+A2:2015

Clause	Characteristic	Manufacturer's reference doc.	Judgment of documentation, resources and results
4.2.1	Make, marking delivery specification	GITP 300-01	No remarks
4.2.2 4.2.3	Dimensions	GITP 300-01	No remarks
4.2.4	Finish, surface, etc	GITP 300-01	No remarks

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2014-03-29

**Casing pipe, EN 253:2009+A2:2015**

Clause	Characteristic	Manufacturer's reference doc.	Judgment of documentation, resources and results
4.3.1	Material	GITP 300-01	No remarks
4.3.1.1	Carbon black dispersion	Certificates	No remarks
4.3.1.3	Thermal stability	GITP 314-01 11	No remarks
4.3.1.4	Use of rework material	GITP 314-01 11	No remarks
4.3.2.1 4.3.2.2	Diameter Wall thickness	GITP 314-01 14	No remarks
4.3.2.3	Appearance and surface finish	GITP 314-01 14	No remarks
4.3.2.4	Elongation at break	GITP 314-01 15	No remarks
4.3.2.6	Stress crack resistance	GITP 314-01 15	No remarks

**Polyurethane foam insulation, EN 253:2009+A2:2015**

Clause	Characteristic	Manufacturer's reference doc.	Judgment of documentation, resources and results
4.4.1	Composition Make, marking and delivery specifications	GITP 314-01 4	No remarks
4.4.2	Cell structure - Cell size	GITP 314-01 15	No remarks
4.4.2	Cell structure – Closed cell content	-	Not in inspection plan, not yet performed.
4.4.2	Cell structure – Voids and bubbles	GITP 314-01 15	No remarks
4.4.3	Compressive strength	GITP 314-01 15	No remarks
4.4.4	Density	GITP 314-01 10	No remarks
4.4.5	Water absorption	GITP 314-01 15	No remarks

NUOMŪNAS TIKRINĖS  
 Pirmasis skyriaus  
 inspektorius  
 Tadas Pranciševičius



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**Pipe assembly**  
**Single pipe EN 253:2009+A2:2015**

Clause	Characteristic	Manufacturer's reference doc.	Judgment of documentation, resources and results
4.5.2 and 4.5.3	Dimension of pipe ends and outside diameter	GITP 314-01 14	No remarks
4.5.4	Centre line deviation	GITP 314-01 15	No remarks
4.5.11	Measuring wires EN 14419:2009	GITP 314-01 10	No remarks

**Twin pipe, EN 15698-1:2009**

Clause	Characteristic	Manufacturer's reference doc.	Judgment of documentation, resources and results
4.5.1	End alignment of forward and return service pipes	GITP 314-01 10	No remarks
4.5.2	Distance between forward and return service pipes	GITP 314-01 10	No remarks
4.5.3	Twisting of service pipes	GITP 314-01 10	No remarks

**Conclusion**

The manufacturer's Quality Plan and quality surveillance resources, activities and results fulfil the requirements specified in Euroheat & Power EHP/001, January 2016.

**SP Technical Research Institute of Sweden**  
**SP Structural and Solid Mechanics - Pipe Centre**

Performed by

*Lars Erlandson* Signed by: Lars Erlandson  
Date & Time: 2016-04-19 10:45:17 +02:00

Lars Erlandson

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