



Test Result

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Chemical composition : %

C71

Heat No.	Product Analysis	C ≤ 0,16	Mn ≤ 1,20	Si max. 0,35	P max. 0,025	S max. 0,020	Al ≥ 0,020	Cu max. 0,30	Ni max. 0,30	Cr max. 0,30	Ti max. 0,03	V max. 0,02	Nb max. 0,01	Mo ≤ 0,08	Cr+Cu+Mo+Ni max. 0,70
44552	-	0.13	0.66	0.19	0.011	0.009	0.036	0.029	0.012	0.019	0.001	0.002	0.002	0.002	0.06

Mechanical tests

C00 - C50

c00 Test No.	c10; c40; c41 Dimensions (mm)		c01; c02 Specimen	c03 Test temperature	Tensile test (MPa)				c50 Bend test	Impact test Pipe body (J)		c42 Single values	Impact test Seam weld (J)		c43 Average value
	a ₀	b ₀			c11 Yield strength	c12 Tensile strength	c13 Elongation	-		-	-		-	-	
Requirements				°C	R _{P0.2} min.	R _m	A % min.	-		-	-	-	-	-	-
EN 10 217-5/19					235	360-500 (2) min 360 (3)	23	-	3T						
Results															
2025	S ₂	S ₂	2	-	361	496	27,0		Satisfactory						
2025	S ₂	S ₂	3	-		503									
S-Size acc. to standard. 1 Pipe body-Longitudinal. 2 Pipe body-Transverse. 3 Seam weld-Transverse. 5 Coil end weld.															

S-Size acc. to standard, 1.Pipe body-Longitudinal, 2.Pipe body-Transverse, 3.Seam weld-Transverse, 5.Coil end weld

*If test element is less than 10,00 mm, is made by impact test values KV calculation. Values are recalculated in accordance with standard.

Z05

Manufacturer is certified according to:

Directive: Approved according to AD 2000 - Merkblatt W0 and certified according to the Pressure Equipment Directive 2014/68 / EU by TÜV-Thüringen e.V. ; NoBo reg.no. 0090
EN ISO 9001:2015

Z01

We hereby confirm that the above product has been manufactured and tested in accordance with the requirements of the contract

Document valid also without signature

Z02

Location: Košice

Date: 07.04.2021

Martin Milota
Inspection representative