



Test Results

Chemical composition: %

Heat No.	Product Analysis	C max 0.16	Mn max 1.20	Si max 0.35	P max 0.025	S max 0.020	Al min 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 max 0.08	CEV max 0.35	Cu+Ni+Cr+Mo max 0.70
52675	-	0.13	0.67	0.17	0.008	0.010	0.043	0.021	0.011	0.011	0.001	0.001	0.002	0.002	0.25	0.04

Mechanical tests

Test No.	Dimensions		C02 Specimen	C03 Test temper.	C00	Tensile test				C50 Bend test	Impact test - pipe body *		C51 DWTT	Impact test - seam weld *		Impact test - HAZ *	
	(mm)					(MPa)					(J)			(J)		(J)	
	C40 a0	C41 b0				C11 Yield strength	C12 Tensile strength	C13 Elongation	C14 Ratio		C42 Single values	C43 Average value		C42 Single values	C43 Average value	C42 Single values	C43 Average value
Requirements						REH	Rm	A5	REH/ Rm		KV	Σ / 2	KV	KV			
EN 10219-1/06; EN 10217-1/2019; EN 10217-5/2019						min 235	360-500(2) min 360 (3)	min 24	%	mm	(10,0x8,0 mm)	%	(10,0x8,0 mm)	(10,0x8,0 mm)			
										Ø 37.5	min 27		min 27				

Results																
85	S	S	2		300	440	30.5									
85	S	S	3			464										
85	S	S	3							Satisfactory						
85	8.00	10.00	2	0						213,195,222	210					
85	8.00	10.00	3	0									145,130,130	135		

S-Size acc. to standard ;1-Pipe body-Longitudinal ;2-Pipe body:Transverse ;3-Seam weld-Transverse ;4-Heat-affected zone (HAZ) ;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.

**Unless, if not specified alternatively, test must be performed at ambient temperature (23°C +/- 5°C).

Z05

Manufacturer is certified according to EN ISO 9001, EN ISO 14001, EN ISO 50001 and 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

Z01

The Declaration of Performance (DoP), see here:<http://www.usske.sk/en/products/spiral-welded-pipes/declaration-of-conformity>

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.