



CERTIFICATE

2. Designation **EN ISO 9606-1 111 T BW FM5 R s 2,0 D 76,1 H-L045 ss nb**3. Certification body : Bureau Technical Inspection OÜ
Reference no. :

4. WPS No. : 111-8.1
5. Welder's name :
6. Identification :
7. Method of Identification :
8. Date and place of birth :
9. Employer : MTÜ Keevituskeskus
10. Code / Testing Standard : PED 20: 'EU; EN ISO 9606-1
11. Job knowledge : not tested

12.	Weld test details	Range of qualification
13. Welding process(es)	111	111
13.a Transfer mode		
14. Product type (plate or pipe)	T	T; P
15. Type of weld	BW	BW
16. Parent material groups(s)	8.1	1 to 11
16.a Filler material group(s)	FM5	FM5
17. Filler material (Designation)	(EN ISO 3581-A: E 19 9 L R 12) R	A, RA, RB, RC, RR, R 03, 13, 14, 19, 20, 24, 27
18. Gas/Flux	--	-
18.a Auxiliaries	-	-
19. Type of current and polarity	DC (+)	-
20. Material thickness (mm)		
20.a Deposited thickness (mm)	2,0	2,0 to 4,0
21. Outside pipe diameter(mm)	76,1	>= 38,05
22. Welding position (s)	H-L045	PA,PC,PE,PF
23. Weld details	ss nb	ss nb,ss mb, bs,ss gb, ss fb
23.a Single layer/multi layer	ml	sl, ml

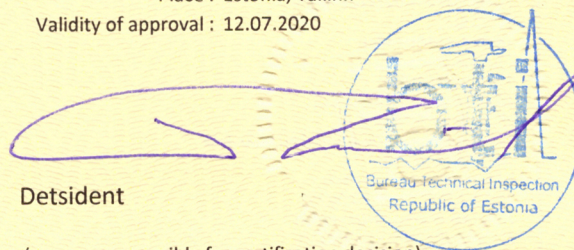
Additional information:

Type of test	Performed and accepted	Not required
27. Visual testing	X	
28. Radiographic testing	X	
29. Macroscopic examination		X
30. Fracture testing		X
31. Tensile testing		X
32. Bend testing		X
33. Magnetic Particle		X
34. Hardness testing		X
35. Impact testing		X
36. Liquid penetrate testing		X

37. Confirmation for the certificate by employer/welding coordinator for the following 6 months (EN ISO 9606-1 it. 9.3)

Date	Signature	Position or title

24. Date of welding : 13.07.2017
25. Place : Estonia, Tallinn
26. Validity of approval : 12.07.2020



Detsident

(person, responsible for certification decision)

Date	Signature	Position or title