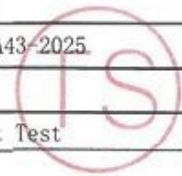




Special Pipes & Equipment Ltd
[150-972] 1-805, ACE HIGHTECH CITY
55-20 MOONRAE-DONG,
YOUNGDEUNPO-GU, SEOUL, SOUTH
KOREA

Quality Certificate



Description of Goods																	Permit No: TS2710A43-2025											
Grade: 20			Method of Manufacture: HOT DEFORMATION					Specification: TY 14-3P-55-2001 and GOST 1050-2013										Condition:										
NO.	Size O.D×W.T×L(mm)	Heat No.	Batch No.	BDL	PCS	(t) WT	Tensile Test										g/m2.h	Impact Test										
							Dimen sion (*1-3)	Gauge mm	Y. S Mpa			T. S Rm Mpa		E. L A %		P. R		Dimen sion (*4)	(°C) Temper ature	AK_Direction (*7)	Impact Value			AK_AVG				
1	219*6.15*12000	25-207322	2025062144	2	15	5.670	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		
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NO.	Type *5	(*) Chemical Composition																Macrostructure	Metallogical Analysis									
		C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Al	Ti	B	Nb	Sb	N		CE	Decarburized Layer (mm)		Grainsize	Inclusion					*6 Microstructure
1	H	0.200	0.250	0.440	0.012	0.003	0.030	0.020	0.010	/	/	/	/	/	/	/	/	/	/	/	/		/	/	/	/	/	
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Flattening		Bend Cold		Flaring		U. T		E. T PASS		M. P. I		M. F. L		Pipe End Untested Have Tested		S&D		H. P. I Mpa/S	1		Hardness Value	1		/	/	/		
Accepted		/		/		/		Each Pipe Accepted		/		/		Accepted		Each Pipe Accepted												
Notes	*1: D3 : A5 : A6 : A7 : A8 : A9 : A10 : *2: B3 : B4 : B5 : *3: F : D1 : Sorbite M Martensite: *7: T Transverse: L Longitudinal Heat Analyses P Product Analyses: *6: F Ferrite B Bainite P Pearlite S Tempered																											
Remark	Welded																											
Statement	We here certify that the material here in described has been manufactured, Sampled and tested in accordance with above standard and specification and satisfied the contract requirement.																											

Remark: The warranty certificate shall be subject to the original.

Auditor:

Certificate maker:

Date: 2025-05-06