

# 产品质量证明书

Changsha Hunan Steel Co.,LTD.

## INSPECTION CERTIFICATE

STANDARD: API 5L PSL1

CERTIFICATE NO.: 09060601

DESCRIPTION: ERW CARBON STEEL PIPE

DATE OF ISSUE: 2017.10.06

TOTAL BUNDLES	-	TOTAL PIECES	45	TOTAL WEIGHT(KGS)	-	Delivery condition	Anneal	Normalizing Temperature		/	Holding Time		/							
								Tempering Temperature		/	Holding Time		/							
NO.	HEAT NO.	STEEL GRADE	DIMENSION			QUANTITY			CHEMICAL COMPOSITION%											
			OUTER DIAMETER MM	WALL THICKNESS MM	LENGTH MM	PCS	BUNDLES	WEIGHT (KGS)	C	Si	Mn	P	S	Cr	Ni	Mo	V	Ti	Cu	Ho
1	582418600	GR.B	168.0	6.70	12000	17	—	—	0.13	0.24	0.54	0.018	0.014	0.024	0.025	0.003	0.000	0.001	0.021	0.000
2	960813	GR.B	168.0	6.70	12000	14			0.13	0.17	0.35	0.01	0.013	0.014	0.007	0.003	0.000	0.000	0.007	0.000
3	78913141	GR.B	168.0	6.70	12000	12			0.12	0.24	0.57	0.013	0.019	0.029	0.021	0.003	0.000	0.001	0.028	0.000
4	78715391	GR.B	168.0	6.70	12000	1			0.10	0.19	0.52	0.018	0.01	0.029	0.018	0.002	0.000	0.000	0.021	0.000
5	88812830	GR.B	168.0	6.70	12000	1			0.11	0.21	0.54	0.011	0.014	0.029	0.030	0.000	0.000	0.000	0.024	0.000
NO.	MECHANICAL PROPERTIES					FLATTENING TEST	UT	HYDRAULIC TEST	MARCONG RAPH	SURFACE AND DIMENSIONS	CONCLUSION									
	$\sigma_S$ (Mpa) YIELD POINT STRENGTH	$\sigma_b$ (MPa) TENSILE STRENGTH	A(%) Elongation	WELD TENSILE Mpa																
1	350	430	43.0	490		PASS	PASS	PASS	PASS	PASS	PASS									
2	360	420	42.0	470		PASS	PASS	PASS	PASS	PASS	PASS									
3	360	430	42.0	470		PASS	PASS	PASS	PASS	PASS	PASS									
4	370	460	34.0	515		PASS	PASS	PASS	PASS	PASS	PASS									
5	350	440	41.0	5158		PASS	PASS	PASS	PASS	PASS	PASS									

We hereby certify the material described has been manufactured, inspected and tested in accordance with above standard & specification, and satisfied with the requirements.

Test Certificate is issued according to EN10204 3.1B

Signed WANG MINGI

Reviewed by

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