

HAIYAN XHONGDA SPECIAL STEEL CO., LTD
TEST CERTIFICATE

PRODUCT: STAINLESS STEEL SEAMLESS TUBES
 SPEC: ASTM/ASME A/SA269 /A213
 CUSTOMER: VAN LEEUWEN PIPE AND TUBE

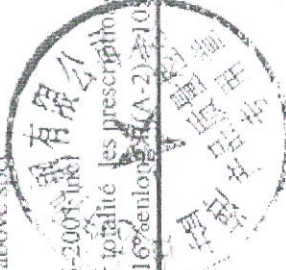
ACCORDANCE WITH EN 10204/3.2
 QUALITY NUMBER: G2007-12-116

CONTRACT NO.: ZD-YAN24070824

NO.	STEEL GRADE	HEAT NO.	BATCH NO.	SIZE mm average wall	PCS	LENGTH m	WT Kg	CHEMICAL COMPOSITION (%)							DIMENSION TOLERANCE			
								C	Mn	S	P	Si	Cr	Ni		Mo		
15	TP316/316L	J0707-328	11A132	30.00×2.00×6000	28	168	236	≤0.035	≤2.00	≤0.030	≤0.040	≤0.75	16.0~18.0	10.0~14.0	2.0~3.0	16.53	11.26	2.04
NO.	MECHANICAL PROPERTIES				TECHNOLOGICAL PROPERTIES		SURFACE QUALITY		HYDROSTATIC TEST		INTERGRANULAR CORROSION TEST							
	YIELD POINT Rp0.2 ≥ 205MPa	TENSILE POINT Rm ≥ 515MPa	ELONGATION Ag ≥ 35%	HARDNESS HRB ≤ 90	FLATTENING TEST	FLARING TEST	IN	OUT	O.D.	W.T.	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
15	270	605	52.0	82	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD

REMARKS:

- We hereby certify that this certificate is issued and signed by the manufacturer, the material from Jiuli Special Steel, use for electro arc furnace.
- We hereby certify that the properties described herein meet the requirements of the above spec.
- Material is solution treated, then pickled, 100% PMI test.
- We confirm that the pipes comply with the specified standards and NACE MR0175-2008 (pH).
- La Société ...garantit que less produits objet dupresent certificat respectent en leur totalité les prescriptions de l' Article 15de l' Arrete Ministériel du 24 mars 1978 modifié
 $C \leq 0.25\%$, $P \leq 0.05\%$, $S \leq 0.05\%$, $R \leq 800N/mm^2$, $E \leq 0.9XR$, $A \% (L_0 - 5.65V) \geq 30\%$, 16% enlongement (A-2) $\geq 10\%$



MANAGING REPRESENTATIVE: Wu Yuejin

STAMPER:

DATE: December 22, 2007

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Ref. LR Cont. 54107558-1

RV 200813006