

HENGYANG VALIN  
STEEL TUBE CO.,LTD

# MILL TEST CERTIFICATE

Add: 10 Daibincun, Hengyang City, Hunan, P.R.China P.C.:421001

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(ACCORDING TO EN10204 3.1B)

CUSTOMER				CERTIFICATE NO.	C201419360-1		
CONTRACT-ITEM NO.	2211002216-01	P.O.NO.	P13335		DATE:	2014-6-19	PAGE: 1/1
PRODUCT	SMLS STEEL LINE PIPE			DELIVERY CONDITION	N		
SPECIFICATION	SEE SPECIFICATION NOTE		HEAT TREATMENT				
GRADE	B/X42,B,E/C						
TOTAL BUNDLES:	9	TOTAL PIECES:	9	TOTAL LENGTH:	327.755	ft	TOTAL WEIGHT:
					15"x0.915"x 29.5-39.3ft		25.411
							mt

NO.	BATCH No.	HEAT No.	BUNDLES	PIECES	LENGTH ft	WEIGHT mt	TENSILE TEST ASTM A370						FLATTENING TEST
							SAMPLE TYPE/ ORIENTATION / SIZE(mm)/GAUGE LENGTH(mm);CU12.750						
							TS(psi)	YS(psi)	RT0.5	EL(%)	R.A. (%)	YS/TS	ACCEPTABLE
1	745100261	1410951V	9	9	327.755	25.411	78590	56985		36.5		0.73	

NO.	IMPACT TEST								NON METALIC INCLUSION	GRAIN SIZE	HARDNESS TEST	
	NOTCH TYPE/ORIENTATION/TEMPERATURE(C)/SIZE (mm): V8/T-46C/10*10*55										NACE MR0175/ISO 15156/NACE MR0103	
	AK1 (J)	Av(J)	% SHEAR AREA	LE	AK2 (J)	Av(J)	% SHEAR AREA	LE			HRC	
1	92/121/111/	108	80/80/80		/					11,000000		

NOTES:

W1-THEORETICAL WEIGHT

W2-ACTUAL WEIGHT

NR-NORMALIZING ROLLED

AK1-ABSORB ENERGY FOR THE FIRST SET

SAMPLE ORIENTATION: L-LONGITUDINAL T-TRANSVERSE

SAMPLE TYPE: S-STRIP C-CLUBBED F-FULL-SECTION

Q&T-QUENCHING AND TEMPERING

AK2-ABSORB ENERGY FOR THE SECOND SET

N-NORMALIZING

A-ANNEALING

Av.-AVERAGE

LE-SIDE EXPANSION





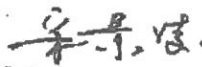

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CUSTOMER				CERTIFICATE NO.	C201419360-1		
CONTRACT-ITEM NO.	2211002216-01	P.O.NO.	P13335	DATE:	2014-6-19	PAGE: 3/3	
PRODUCT	SMLS STEEL LINE PIPE			DELIVERY CONDITION	N		
SPECIFICATION	SEE SPECIFICATION NOTE		HEAT TREATMENT				
GRADE	B/X42,B/C			DIMENSIONS	18"x0.938"x 29.5-39.3R		
TOTAL BUNDLES:	9	TOTAL PIECES:	9	TOTAL LENGTH:	327.755 m	TOTAL WEIGHT:	25.411 mt
		REMARK: 1.ORIGIN:MADE IN CHINA; 2.ALL ELEMENTS TO BE LISTED;					

SPECIFICATION NOTE	API 5L(45th)PSL1,ASTM/ASME A/S.A 53/1.06,NACE MR0175/ISO15156 NACE MR0103(ONLY FOR HARDNESS)	
<p>We hereby certify that material herein described has been manufactured in accordance with the standards and specifications required in your order and satisfies the corresponding requirements.</p> <p>This certificate is issued by a computerized system and it is valid with electronic signature. In case the owner of the certificate would release a copy of it, he must attest its conformity to the original one taking upon himself the responsibility for any unlawful or not allowed use.</p> <p>Any alteration and/or falsification will be subject to the law.</p> <p>If you need to assure the authenticity of this certificate, please do not hesitate to contact Hengyang Valin Steel Tube CO.,LTD, E-mail: hstec@hysteeltube.com</p>		
CUSTOMER THIRD PARTY		
		<p>Quality Manager: </p>  <p>Certificate-maker: 刘年亚</p>