Super Materials Company

PO 030519 / PO /SM - H3H

1-11/11/19/

QINHUANGDAO GUOYANG STEEL CO.LTD.

MILL'S CERTIFICATE

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01	HOCK SENG HO	HOCK SENG HOE METAL CO PTE LTD 8 BOON LAY WAY AT TRADE HUB 21,HEX 05-12	AY WAY AT TRAI	DE HUB 2	1,HEX 05		SINGAPORE 609964	509964	3			2	SENG	T
CERTIFICATE NO:	SGSTEHSM0397-1	7	DESTINATION:	ON:	JURONG		PORT OF SINGAPORE	SAPORE	F	2	ME C	3	XOCK	1400
GOODS:	PRIME EQUAL ANGLE	NGLE	TOTAL:		63BUN	63BUNDLES, 214.170MT	14.170MT	7					(
SPECIFICATION: A36	A36		REFERENCE NO	E NO.	SGSTE	SGSTEHSM0397	7							50
THIS IS TO CERT	THAT THE PR	THIS IS TO CERTIFY THAT THE PRODUCTS HAVE BEEN INSPECTED AS PER RELVANT SPECIFICATION	ED AS PER REI	LVANT SP	ECIFICAT	FION AS	STIPULA	TED IN T	HE ORDE	N AS STIPULATED IN THE ORDER AND QUALIFIED WITH ALL THE DATA IN	UALIFIED	WITH AL	G캐드D	ATA IN
COMPLIANCE WI	COMPLIANCE WITH SPECIFICATION													i)
				QUANTITY			Chemic	Chemical Composition %	sition %		Mechar	Mechanical Properties	erties	8
MARKS	HEAT NO	SIZE	BUNDLES		QUANTITY (MTS)	C	ន	Mn	P	S	Y.S (Mpa)	T.S (Mpa)	EL.	Cold Bend
	140323A-03	30X30X3.0MMX6MX1.373KG/M	3/M 4	9.	9.890	0.20	0.39	0.74	0.025	0.026	271	420	38	읒
	140323A-04	38X38X3.0MMX6MX1.756KG/M	3/M 3	10	10.110	0.22	0.28	0.70	0.024	0.027	272	418	37	읒
	140323A-06	38X38X6.0MMX6MX3.333KG/M	3/M 3	10	10.800	0.19	0.37	0.72	0.026	0.025	270	420	39	웃
	140323A-11	50X50X5.0MMX6MX3.770KG/M	9 M/8	32	32.570	0.22	0.39	0.73	0.027	0.026	272	421	38	읒
	140323A-12	50X50X6.0MMX6MX4.465KG/M	9 M/s	32	32.550	0.24	0.35	0.74	0.028	0.025	270	415	37	웃
Z	140323A-15	65X65X5.0MMX6MX4.981KG/M	3/M 7	20	20.920	0.22	0.40	0.71	0.030	0.026	272	416	38	웃
	140323A-16	65X65X6.0MMX6MX5.912KG/M	3/M 7	20	20.860	0.23	0.38	0.73	0.025	0.025	271	421	39	웃
	140323A-21	75X75X5.0MMX6MX5.818KG/M	3/M	10	10.470	0.23	0.36	0.74	0.026	0.026	271	421	37	웃
	140323A-22	75X75X6.0MMX6MX6.905KG/M	6 6	22	22.370	0.20	0.39	0.72	0.027	0.025	270	420	39	웃
	140323A-24	75X75X9.0MMX6MX10.085KG/M	3/M 6	21	21.780	0.22	0.39	0.71	0.028	0.025	271	423	38	Q
	140323A-28	100X100X6.0MMX6MX9.366KG/M	G/M 3	10	10.960	0.20	0.35	0.75	0.028	0.025	273	417	37	읒
	140323A-31	100X100X10MMX6MX15.12KG/M	G/M 3	10	10.890	0.22	0.40	0.70	0.029	0.026	272	416	38	웃
REMARKS	: A. CONDITION OF	REMARKS: A. CONDITION OF SUPPLY: HOT ROLLED						B. MATEI	B. MATERIALS DELIVERED		ON THEORETICAL WEIGHT.	RETICAL	WEIGHT.	e) (1
MANUFACTURER	R: QINHUANGDAO	MANUFACTURER: QINHUANGDAO GUOYANG STEEL GOLFD	1970 Branchagen alterprise				INS	INSPECTOR: LUCY	LUCY	だり	- Q	DATE: MAR. 20, 2017	र. 20, 20	17
		1						4		,				



Buper Haterials Company POOSOSIA/PO/SH-HSH

Max20 27 27 27 34 Spec. Max20 187.80 140.82 196.23 174.95 Resu	20 21 21 21 Spec.	30 37 37	Items TEM. (°) L-IV L-IV L-IV L-AVERAGE Items 1/2" BS	Inspection	Ladde Result 18 35 136 16 25 12 4 10 2 1 15 0 0 44	Spec. Min.	0010°, 0010°, 0010°, 000010°, 0010°, 0010°, 0010°, 0010°, 0010°, 00010°, 0010°, 0010°, 0010°, 0010°,	Inspection C Si Ma P S Cu Ni Cr Mo V Al Ti W Ceq.	Chemical Composition (w.t. %)	Serial-No. : Melding Process : EAF-LF-VD(RH)-CC Quantity	Heat No. : B44320 Delivery Condition : As Rolled, Nor. Weight	Customer : Shape of Product : Round Bar Length	Cert. No. : 201807-004441 Steel Grade : \$355J2G3 Size	Date : 2018-07-06 Specification :	ACCORDING TO EN1 0204 2004, Type 3.1	Sea Besteel MATERIAL CERTIFICATE
					0 0		; 0010°; 0010°; 00010°;	w	nical Composition (w.t. %)			Leng	Size		10204:2004, Type 3.1	\mathbf{H}
				Heat Treatment Hardness (HB) (Sample Location: 1/2" Below of Surface)						tity (pcs) : 6	(kg) : 7,230	(mm) : 6,000	(mm) : 180			

<<Remark>> * MADE IN KOREA / * P.O.# : SB1804/098

Spec. Max.

Result

GOOD

GOOD

Spec Max.
Result

GOOD

Inspection

Items Min.

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Surface Inspection (mm)

Inspection Items

Uitras ani c Test

Result

Spec. Min.

490 630 535.64

361.96

65.62

355

12



We hereby certify that the material described herein has been made in accordance with the rules of the contract. Our quality system is certified in accordance with IATF 16949:2016 / ISO 9001:2015 by KSA

Technical informations herein provided by the mill. Yi He Fa makes no warranty of any kind with respect to the fitness of the steel for a specific application.

Certified by 57 Park

Manager of Quality Assumance Dept.

Super Materials Company

PO 030519/PO/SH-HSH 彩源企業股份有限公司 FROCH ENTERPRISE CO., LTD.

被 验 弱 明 書 MILL'S TEST CERTIFICATE EN 10204/3.1

Date:

Certificate No.

F190225012 FEB 15,2019

ORIGINAL

NO.322 INDUSTRIAL ROAD, TOU-LIU CITY

TEL:+886-5-5571669 YUN-LIN 640, TAIWAN

Website: www.froch.com FAX:+886-5-5571339

	n N 41 h3 1 mg								1 1	·				76
5. We havely certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.	WOTES: 1. The material described herein is certified for no radiation contemination by original Material Manufacturer: 2. The toterance of chemical composition is according to ASTM A480 3. Heat freatment. Solution armealed and quenched in water. 4. TKs:= 1000Ps; 1 Mpa = 1 Mmm² = 0.145638 Ks;		40		Max.	Min.	lens No.	29 %	1 1	STAINLESS STEEL WELDED PIPE			FEX2	Customer :
ted with	alenai de nai Mate erance d salment			0,025	0.035		C	桑	35	ESS SS SC			X20182843	nvoice
in(Surra fly that a satisfac sterial sp	scribed stal Man chemic Solution 1Mpa =		0.530	0.610	1.000		S:	40	*	A LEEL A	Description	连 省 名 缩	843	N
সঙ্কানে গ্ৰেছ্ট্ৰনেলে,ইে।দেবনৈছ) ফাৰে থান We beereby centify that material dea and tested with sabisfactory results of the above material specification	OTES: The material described berein is oby original Matesal Manufacturer, by original Matesal Manufacturer, the kderance of chemical composition armested Heat freatment/Solution armested (Heat freatment/Solution armested (Heat freatment/Solution armested (Heat freatment/Solution armested (Heat freatment/Solution)			1.08	2.00		ş	*	199	NELDEN	nond	300		
dascriber dascriber dis in ac on.	certified		0.032	0.037	0.045	1.500	ש	ñ	Chemical	adla C			PO 8	
ກະສົນສະ ແຮງຄະນາດຖ້ວເທສລະອາ and Lumension ເດົາສະດະ. Acceptable We have by centify that material described herein has been snanufacture and iested with satisfactory results in accordance with the requirement of the above material specification.	for no n s according uesiched		0.001	0.001	0.030		Ø	滋	al Con				802076	
c Accept has been he will he	adiation ng to AS in water		16,80	16.63	18.00	16,00	δ	**	Composition (%)	∼ଟଫ	Kera Ma	*		<u></u>
aole 1 manufa 1 manufa	contamin		10,10	3 13 03	14.00	10.00	Z	*	1(%)	2" X SCH 40S 4" X SCH 10S 5" X SCH 10S				Contract
actured meni	nation 0		2.07		3.00	2.00	Mio	it		2" X SCH 40S 4" X SCH 10S 5" X SCH 10S				8
	HARDN 100% P		1				z	yex			Size	80	-	
	HYDROSTATIC TEST IN HARDNESS TEST NACH 100% PAILTEST:GOOD		1 1	į				部			6	尽手		
CERTIFIED TRUE COP	TEST IN ST NACE GOOD.	<u></u>	~~~~	. ~			Tensii (N/mm	統指強度					1/1	
	MR0175		560.00	649.66		515.00	Tensil (N/mm²)	深					-	
쿨	HYDROSTATIC TEST IN ACCORDANCE TO ASTM AUSWASSIM HARDMESS TEST NACE MRO(75/ISO15/ISO-5. 100% PM/ TEST:GOOD.						0.29 (Ni	34		TP 316/FP 3161. TP 316/FP 3181. TP 316/FP 3188.	Type	¥		ते
8	© ASTN		375,00	349.00		205,00	0.2% Yield (N/mm²)	學快樂學			TD .	渤		NO
2	1 AU99/A		8 8	88		00	Elog			ALM070312 AOE070063 ALV070344	Heat No.	\$ \$		
			52,00	53.00		35,00	1 7	*		312 063 144	, 5	36		4
OCK SEN	G.H.		52.00 Longitudinal	53.00 Longitudinal		i.	Direction			چ <u>چ</u> 20	QTY(PC)	ķi:	Specific	18
	TOE MES		ding.						- Tip	200.000 50.000 30.000	Ç	18 5	ation /	(ii)
\$10.00	MY	α				1131.11	vildih of specimen		368	[]	Weight(Kg)	:ৰ্জ্ব	Specification ANSI B36.19 & B36.10	MIST
. T		1	23 E	25		TT.	pecimen		淡 遊	, ,	Ē(Xg)	KKS	B36.	A312
or of historical substitution of the production	1.OMS 2.EMS 3.PED 4.Lab n					7	1		Mech		Heal Treatment Weter Quenched	沙海	39	-2018
	APPROVED CERTIFICATES: 1.CMS according ISC 9803 (TUX Cent No.01 100 128922) 2.EMS according ISC 9803 (TUX Cent No.0892007) 3.PED (TUX Cent No. 01 202 TWN/Q-08 0145) 4.Lab management system according ISC/IEC 17020/TAF Cent No.80201) 5.Lab management system according ISC/IEC 17025/TAF Cent No.2271)		50.00	50.00		USSECT	Gauge Lengih		Mechanical Test	1065 1065 1065	atment Jenched	热底理 (°C)	336.1	ASA
							Havin		est		Ť.		0	AE SA
			83.00	87.00	99.50		Hariness HRB	是成就除		PICKLED PICKLED	Finish	香田粉絲		312
							Flatter	9 /4			Test	*		(2015
•			9000	000 000 000	No Crack		Flattening Test Bend Test	深		16.00 7.00 6.00	Hydrostatic Test (Mpa)	本際試験		SEC
	30/TAF C		1	1	No Crack		Bend	彩曲块粉						NOI
	ert No:80	Name of the state	5		-		110000	_			Remark	類以		II PAI
	75) (75)		***	***	No Grack		र्रिधाकेतुः Test	機の技験		<u> 18</u>	ž	27		ASTM A312-2018, ASME SA 312 (2015 SECTION II PART A),
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QA Manager / Work Inspector.

Lai Yu Lin