



POWER TECH. FOR METAL FABRICATIONS (PT-STEEL)

P.O. BOX -11983, JUBAIL INDUSTRIAL CITY 31961, KINGDOM OF SAUDI ARABIA

TEL: (013) 341 0300 FAX: (013) 342 1050 E-MAIL: info@pt-steel.com

MATERIAL INSPECTION REPORT

QC-FRM-002, Rev. 03


JOB NO.: PTS-1269

CLIENT: HARISCO

P.O. NO.:HSL-P-017-PO-003

REF. MRN NO.: PTS-MIR-1269-001

DATE: 7/3/2019

SN	ITEM	MATERIAL SPEC	GRADE	SIZE (mm)				MAT. ID#	HEAT #	QTY	MTC NO.	INSP. STATUS	REMARKS
				h	b	Tw	Tf						
1	W-BEAM	12 X 8 X 40 12M	A992	303	203	7.5	13.1	-	E209201	2	IH20181205070-2	ACC	
2	W-BEAM	12 X 8 X 40 12M	A992	303	203	7.5	13.1	-	E209602	4	IH20181205070-2	ACC	
3	W-BEAM	12 X 6-1/2 X 26 12M	A992	310	165	5.8	9.7	-	2053718	6	031834/18	ACC	
4	W-BEAM	12 X 6-1/2 X 26 12M	A992	310	165	5.8	9.7	-	2053719	5	031834/18	ACC	
5	W-BEAM	12 X 6-1/2 X 26 12M	A992	310	165	5.8	9.7	-	2053671	1	031834/18	ACC	
6	EQUAL ANGLES	50 X 50 X 6 6 M	A36	-	-	-	-	-	SR02237 A	7	80028961	ACC	
	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
COMMENTS (IF ANY)								LAYDOWN YARD LOCATION	PTS QA/QC SIGN & STAMP		CLIENT SIGN & STAMP		
								PT-STEEL YARD	NAME: BIPIN BALAN SIGN: 		NAME: SIGN:		

Contract No.	
Customer	PAN GULF STEEL CO.
PO No.	41201811K112
Proforma Invoice No.	YS-181123
Commodity	LOT-3)W-SECTIONS
Specification	ASTM A992

INSPECTION CERTIFICATE

EN 10204(2004) TYPE 3.1



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Factory	63, Jungbong-Daero, Dong-gu, Incheon, S. Korea
Certificate No.	IH20181205070-2
Class certificate No.	ORIGINAL
Issue date	2018-12-31

Dimensions	Length	Heat No.	Quantity (PCS)	Weight (kg)	Chemical Composition																		Tensile Test			Yield Ratio(3)	BEND TEST	Impact Test(L)				Remarks (Impact Specimen Size)
					C	Si	Mn	P	S	Cu	Ni	Mo	Cr	Al	V	Nb	Sn	CE(1)				Tensile Strength	Yield Strength	Elongation(2)	V-Notch			°C				
																									AVG				1	2	3	
×100			×1000			×100			×1000			×100			N/mm2		%															
10X10X49	12.00 M	E 209566	3	2,625	18	18	64	21	11	21	8	2	15	3	14	1	10	34				535	395	26.5	0.739							
10X10X49	12.00 M	E 209567	25	21,875	18	14	65	20	8	18	8	2	16	2	14	1	11	34				530	393	27.5	0.742							
10X10X49	12.00 M	E 209568	90	78,750	19	15	65	19	7	20	7	2	14	3	14	1	8	35				534	397	26.5	0.744							
10X10X49	12.00 M	E 209569	6	5,250	18	14	63	21	10	22	9	2	18	2	13	1	11	35				528	392	27.0	0.743							
10X10X49	12.00 M	E 209569	6	5,250	18	14	63	21	10	22	9	2	18	2	13	1	11	35				531	395	27.0	0.744							
12X6-1/2X30	12.00 M	D 151922	22	11,792	18	14	63	21	6	28	10	2	15	2	2	16	11	34				533	393	28.0	0.738							
12X6-1/2X30	12.00 M	D 151947	24	12,864	17	16	60	23	5	25	8	2	10	2	2	16	9	32				528	390	28.5	0.739							
12X8X40	12.00 M	E 209601	67	47,838	19	15	66	13	6	19	8	1	7	3	14	1	8	34				525	377	25.0	0.719							
12X8X40	12.00 M	E 209602	49	34,986	17	18	62	15	7	18	7	1	7	3	14	1	13	31				530	384	25.5	0.725							
12X10X53	12.00 M	E 209652	34	32,164	19	17	64	22	8	26	8	1	15	3	14	1	11	35				529	402	27.0	0.760							
12X12X65	12.00 M	E 209799	47	54,567	18	18	96	17	10	19	8	1	7	4	14	1	8	38				521	403	26.0	0.774							
SUB TOTAL			367	302,711																												

- (1) Ceq: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15)
(2) Gauge length : 200 mm
(3) Y.R = Y.S/T.S

Note

PAN GULF STEEL ===== NEXT =====

CERTIFIED COPY

Name
Signature
Date

WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER.

General Manager of Q.A Team

MILL TEST CERTIFICATE

Customer Name/Address Pan Gulf Steel Co. PO Box No. 2473, Al Khobar SA		Stamp 	Certificate No. 031834/18	رقم شهادة المنتج	
Commodity: Wide Flange Beam		الختم:	Date Of Issue 25/05/2018	تاريخ الإصدار	
Specification: ASTM A992			Dispatch No. 80296984	رقم أمر البيع	
			Sales Order No. 25005019	رقم أمر الشراء	
			PO. No. PGS/3318/03/2018	رقم طلب الشراء	

Item No	التسليم	Dimensions		القطعة	الطول	الوزن	رقم الصبة	الخصائص الميكانيكية				Chemical Composition(%)																الخصائص الكيميائية (%)																										
		Length						مقاومة الخضوع	مقاومة الشد	نسبة	نسبة الاستطالة	تأثير الصدمة/الحرارة	كربون	سيلكون	منجنيز	فوسفور	كبريت	نحاس	نيكل	كروم	موليبديوم	فاناديوم	نيوبيوم	تين	تانتالوم	نيتروجين	المنغنيز	قيمة المعدلة للكربون																										
		in x in x lbs/ft																																																				
		Pie-c	ces																										Weight (MT)	Cast No.	Yield Stress (N/mm²)	Tensile Stress (N/mm²)	YS/TS	Total % E.L	Impact (J) Average of 3	Charpy Impact Temp (C)	G.L 200mm (%)	Avg	C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Sn	Ti	N	Al	CEV
1	W 12X26 12M	17	7.888	2053671	440	566	0.78	22.5			0.195	0.222	1.338	0.009	0.016	0.007	0.008	0.017	0.001	0.033	0.001	0.002	0.015	0.010	0.003	0.429																												
2	W 12X26 12M	14	6.497	2053718	448	565	0.79	23.6			0.170	0.227	1.400	0.008	0.006	0.009	0.008	0.023	0.002	0.054	0.001	0.003	0.014	0.011	0.004	0.420																												
3	W 12X26 12M	37	17.167	2053719	447	556	0.80	24.0			0.159	0.254	1.426	0.012	0.006	0.008	0.008	0.019	0.002	0.057	0.001	0.002	0.016	0.011	0.005	0.413																												

PAN GULF STEEL
QA / QC Department
CERTIFIED TRUE COPY

Name :
Signature :
Date :

Notes: Mr. Satish K. Nigam

PAN GULF STEEL
QA / QC Department
CERTIFIED TRUE COPY
Name :
Signature :
Date :

Note: $CEV = C + \frac{Mn}{6} + \frac{Cr + Mo + V}{5} + \frac{Ni + Cu}{15}$
Test Method: ASTM E415 / ASTM A370
Fully Silicon Killed Steel
EN 10204 Certificate on Material Test 3.1



نتعهد بأن المواد التي تم تصنيعها واختبارها حسب المواصفات الموضحة أعلاه
We hereby certify that the material has been made and tested in accordance with the above specification and also with the requirements called for the above order
This Certificate is generated electronically


Tae Hee Gong
Manager TSD

UNITED SULB COMPANY (SAUDI SULB) LLC

Jubail Industrial City 31961 - P. O. Box 10572
 Tel.: 03 358 6666 / 4225 - Fax: 03 358 3333
 A Limited Liability Company With Fully Paid-Up
 Capital of S.R. 206.254,000
 Kingdom of Saudi Arabia - C.R. 2055013721

CUSTOMER NAME/ADDRESS

ABDULLATIF&MOHAMED AL-FOZAN CO(DAM)

DAMMAM

P.O. BOX :

Jubail Industrial City ,

Tel. No.: 03 894 0909

Fax No.: 03 889 6498

MILL TEST CERTIFICATE



UNITED SULB COMPANY (SAUDI SULB) LLC

SHIPPING ADDRESS

ABDULLATIF&MOHAMED AL-FOZAN CO
 ALKHOBAR BUSINESS GATE,TOWER A"
 (SOUTHERN TOWER),FIRST FLOOR,COASTAL
 ALKHOBAR 31952
 Saudi Arabia
 Contact Person : MR.ZIAD M.AL-HABRTI
 Tel No. : 03 849 4499-5

شركة الصلب المتحدة (السعودية للصلب)

مدينة الجبيل الصناعية ٣١٩٦١ - ص.ب ١٠٥٧٢
 تلفون: ٠٣ ٣٥٨ ٦٦٦٦ / ٤٢٢٥ - فاكس: ٠٣ ٣٥٨ ٣٣٣٣
 شركة ذات مسؤولية محدودة
 رأس مال مدفوع بالكامل قدره ٢٠٦,٢٥٤,٠٠٠ ريال سعودي
 المملكة العربية السعودية - سجل تجاري ٢٠٥٥٠١٣٧٢١

CERTIFICATE NO :80028961

Delivery Note No/Date :80028961

Sales Contract/Order :1276

Customer P.O. No. :LOT-E(DAMMAM)

Product Code: PA05006ASA36DT0600

Product Name: ANGLE

Product Dimensions: ANG50X06XL6000 mm

Specification: ASTM A36

Process Route: EAF, KILLED STEEL, AS ROLLED

Dimension: EN 10056-1, EN 10056-2

Product	No of	No	Bundle	Product Chemical Analysis						Mechanical Properties		
Cast	Bars /	of	Weight	C	Si	Mn	P	S	CEV	YS	UTS	EL
Number	Bundle	Bundles	(MT)	%	%	%	%	%	%	MPa	MPa	%
SR02237 A	73	3	5.913	0.17	0.18	0.66	0.005	0.009	0.28	314	431	42
SR02237 B	71	2	3.834	0.17	0.18	0.66	0.005	0.009	0.28	314	431	42
R02237	72	8	15.448	0.17	0.18	0.66	0.005	0.009	0.28	314	431	42
R02000	72	2	3.862	0.16	0.20	0.63	0.010	0.006	0.27	315	443	44



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G.L. - 50mm= (e.g. ASTM, BS 4360); 80mm = (e.g. DIN 17100); 200 mm = (e.g. JIS); 5.65 \sqrt{a} = (e.g. BSEN 10025), Applicable as per Order Specification.
 Where a = Cross Sectional Area of the Specimen.

- WE CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AS PER ABOVE SPECIFICATIONS.
- ABOVE VALUES ARE AVERAGES OBTAINED DURING ANALYSIS AND TESTING.
- ISSUED IN ACCORDANCE TO BSEN 10204 CLAUSE 3.1



AUTHORIZED SIGNATORY
 QUALITY ASSURANCE