

Heat #: P008

3/4" 3000# FS SW 90 ELL



SAMYOUNG FITTING

INSPECTION CERTIFICATE
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Customer	SERVICE METAL-L		Certificate No.	20190725034	Date	2019-07-25	
CPU/BL#	SYF190719-03456L/SEL1907213		Project Name				
Job No.							
Specification for Material	ASME SA105N NACE-2015E0		Dimension and Visual Inspection	G000			
HCN	Description			Qty (pcs)	Heat Treatment	Line No.	ITEM CODE
P008	90ELBOW	3000#	SW 3/4"	50	N: 900 °C (1652F) A.C		3M9S.75
P011	TEE	3000#	SW 2"	6	N: 900 °C (1652F) A.C	274	3MTS02.0
P012	90ELBOW	6000#	SW 2"	5	N: 900 °C (1652F) A.C	314	6M9S02.0
P076	TEE	3000#	NPT 1-1/4"	190	N: 900 °C (1652F) A.C		3MTT01.25
P097	CROSS TEE	3000#	SW 2"	8	N: 900 °C (1652F) A.C		3MCROSS02.0
P097	CROSS TEE	3000#	SW 2"	8	N: 900 °C (1652F) A.C	168	3MCROSS02.0
P177	45ELBOW	2000#	NPT 3"	2	N: 900 °C (1652F) A.C		2M4503.0
P179	45ELBOW	3000#	NPT 1-1/4"	105	N: 900 °C (1652F) A.C		3M45T01.25
P378	THREAOLET	3000#	20"-36" x 4"	9	N: 900 °C (1652F) A.C		TOL04X36-20
P727	SOCKOLET	3000#	8"-14" x 3"	6	N: 900 °C (1652F) A.C		SOL03.0X14-8

CHEMICAL COMPOSITION(%)

HCN	spec.	C Mn P S Si Ni Cr Mo Cu V										Raw	Raw Maker	
		Max	0.35	1.05	0.035	0.040	0.35	0.40	0.30	0.12	0.40	0.080	Heat No	
		Min	-	0.60	-	-	0.10	-	-	-	-	-		
P008	L	0.190	0.940	0.014	0.009	0.210	0.050	0.110	0.030	0.080	0.000	C41652	SeAH	
P011	L	0.200	0.910	0.013	0.006	0.230	0.060	0.100	0.030	0.100	0.000	C41645	SeAH	
P012	L	0.180	0.840	0.012	0.007	0.210	0.050	0.180	0.040	0.080	0.000	Y00653	SeAH	
P076	L	0.190	0.930	0.014	0.008	0.190	0.050	0.130	0.010	0.120	0.000	D05236	SeAH	
P097	L	0.180	0.918	0.010	0.005	0.239	0.095	0.241	0.032	0.065	0.001	S33833	SeAH CSS	
P177	L	0.190	0.930	0.010	0.008	0.200	0.070	0.100	0.020	0.150	0.010	C48805	SeAH	
P179	L	0.190	0.930	0.013	0.010	0.210	0.060	0.100	0.020	0.160	0.010	C48800	SeAH	
P378	L	0.200	0.930	0.018	0.007	0.200	0.060	0.120	0.020	0.130	0.006	B12768	SeAH	
P727	L	0.190	0.920	0.021	0.012	0.210	0.040	0.170	0.020	0.110	0.010	B42123	SeAH	

MECHANICAL PROPERTIES

HCN	spec.	Y.S		E.L (%)	Red. (%)	Hardness Test	
		Ksi				HB	
		Max	Min	38.0	70.0	22.0	30.0
P008	P	54.5	79.5	29.6	53.6	141	146
P011	P	42.8	73.0	32.9	68.5	143	140
P012	P	41.4	76.9	32.6	68.8	141	147
P076	P	40.3	76.4	32.8	67.5	146	145
P097	P	52.8	81.3	30.9	64.8	142	144
P177	P	40.6	75.9	34.8	70.6	145	149
P179	P	44.2	77.9	31.4	73.3	148	145
P378	P	52.3	79.6	35.7	69.4	147	150
P727	P	46.9	73.6	36.2	68.8	147	144

We hereby certify that the material herein has been made and tested in accordance with the requirements called for by the above order.

Remark :

- *ORIGIN : KOREA
- *THE FITTING SUPPLIED IDENTIFIED AS ASME B16.11-2016
- *CONFORMS TO NACE : MRO175-15/ISO 15156-15/MRO135-15

Legend:
 HB:Brinell AC:Air Cool
 ST:Solution Treatment OC:Oil Cool
 SR:Stress Relieving WQ:Water Quenched
 HCN:Heat Code No.
 N:Normalized
 T:Tempered L:Ladle
 A:Annealed P:Product
 Q:Quenched
 (G): Hot-Dip Galvanized Coating
 (EG): Electronic Galvanized

Reviewed by :
Witnessed by :

Approved by

SAMYOUNGFITTING CO.,LTD.

S.H. Shin
S.H.SHIN

Director of Quality Assurance Dept

Stock 4711425 10/14/2241

 MATCO FW3L9004 3/4IN FORGED
 STEEL SOCKET WELD 90D ELBOW CL301