



SAMYOUNG FITTING

INSPECTION CERTIFICATE

(EN10204 3.1/ISO 10474 3.1)

 63,Nakdongnam-ro 533beon-gil,
 Gangseo-gu, Busan
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Customer	SERVICE METAL-L	Certificate No.	20201218027	Date	2020-12-18
CIPL/BL#	SYF201201-788911ADL/BLKRUSLO517	Project Name			
Container#	APZU3441668				
Specification for Material	ASME SA105N NACE-2015ED	Dimension and Visual Inspection	GOOD		

HCN	Description	Qty (pcs)	Heat Treatment	Line No.	ITEM CODE
B317	90ELBOW 3000# SW 1-1/4"	340	N: 900 °Q(1652F) A.C		3M9S01.25
CP01	90ELBOW 3000# SW 1"	90	N: 900 °Q(1652F) A.C		3M9S01.0
P042	90ELBOW 3000# SW 1-1/2"	795	N: 900 °Q(1652F) A.C		3M9S01.5
P125	WELDOLET STD 3-1/2"-4"x3"	24	N: 900 °Q(1652F) A.C		WOL03.0X4-3.5
P173	TEE 2000# 1"	100	N: 900 °Q(1652F) A.C		2MT01.0
P300	90ELBOW 3000# 1-1/4"	135	N: 900 °Q(1652F) A.C		3M9T01.25
P303	90ELBOW 3000# SW 2-1/2"	28	N: 900 °Q(1652F) A.C		3M9S02.5
P306	CROSS TEE 2000# NPT 1"	180	N: 900 °Q(1652F) A.C		2MCRS01.0
P322	90ELBOW 3000# SW 3/4"	2100	N: 900 °Q(1652F) A.C		3M9S.75
P360	CAP 3000# SW 1"	150	N: 900 °Q(1652F) A.C		3MCAPS01.0

CHEMICAL COMPOSITION(%)

HCN	spec.	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	C.E	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	-	-	-	-	-	-		
B317	L	0.220	0.780	0.018	0.008	0.180	0.060	0.140	0.020	0.100	0.005	0.394	C55668	SeAH
CP01	L	0.190	0.960	0.013	0.003	0.210	0.006	0.110	0.010	0.030	0.004	0.377	20405607	Nanjing Iron&Steel
P042	L	0.180	0.830	0.009	0.003	0.210	0.040	0.060	0.010	0.050	0.001	0.339	S28246	JINYANG
P125	L	0.220	0.880	0.016	0.015	0.270	0.040	0.100	0.010	0.110	0.004	0.399	B47686	SeAH
P173	L	0.180	0.950	0.017	0.012	0.210	0.060	0.100	0.020	0.140	0.010	0.378	C48801	SeAH
P300	L	0.190	0.940	0.015	0.009	0.190	0.080	0.160	0.020	0.180	0.000	0.400	D07223	SeAH
P303	L	0.180	0.920	0.026	0.005	0.190	0.060	0.170	0.010	0.200	0.000	0.387	D07153	SeAH
P306	L	0.200	0.920	0.012	0.010	0.200	0.040	0.090	0.010	0.120	0.010	0.386	C52347	SeAH
P322	L	0.190	0.930	0.013	0.011	0.190	0.100	0.120	0.020	0.220	0.000	0.394	D07225	SeAH
P360	L	0.200	0.920	0.015	0.007	0.230	0.070	0.130	0.020	0.110	0.010	0.397	*C55667	SeAH

MECHANICAL PROPERTIES

HCN	spec.	Y.S	T.S	E.L (%)	Red. (%)	Hardness Test			
		Ksi				HB			
		Max	Min			Max	Min		
		-	-	-	-	187	-		
		36.0	70.0	22.0	30.0	-	-		
B317	P	40.8	72.6	35.9	68.1	145	143		
CP01	P	43.9	76.4	35.9	70.1	141	140		
P042	P	51.8	81.5	33.7	60.5	145	149		
P125	P	42.8	73.6	33.0	67.2	149	146		
P173	P	45.1	76.3	32.4	69.5	140	145		
P300	P	39.6	77.5	32.9	67.7	144	148		
P303	P	47.5	77.6	33.5	68.1	145	149		
P306	P	43.8	79.5	34.3	70.5	141	146		
P322	P	42.8	78.9	32.1	68.4	141	145		
P360	P	45.7	79.6	32.7	69.4	143	146		

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

Remark :

*fine grain practice
 *ORIGIN : KOREA
 *THE FITTING SUPPLIED IDENTIFIED AS ASME B16.11-2016
 *CONFORMS TO NACE : MR0175-15/ISO 15156-15/MR0135-15

Legend:

H:B:Brinell ACC: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

Stock

4711425

10/14/2241



MATCO FW3L9004 3/4IN FORGED
 STEEL SOCKET WELD 90D ELBOW CL300

Reviewed by
 Witnessed by

Approved by

SAMYOUNGFITTING CO.,LTD.

S. H. Shin
 S.H.SHIN

Director of Quality Assurance Dep't