SAMYOUNG FITTING

INSPECTION CERTIFICATE

(EN10204 3.1/ISO 10474 3.1)

63,Nakdongnam-ro 533beon-gil,
Gangseo-gu, Busan
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Customer	:	Certificate No.	20230125031	Date	2023-01-25
P.O No.	P1028504 and others	Project Name	Container#3 FCIU5456647		
Job No.	BL#HDMUSELM54980000(BLKRUSHOU71)				
Specification for Material	ASME SA105N NACE-2021ED	Dimension and Visual Inspection	GOOD		

HCN	Description				Q'ty (pcs)	Heat Treatment	Line No.	ITEM CODE
P408	WELDOLET	STD		20"-36"×4"	4	N: 900 □(1652F) A.C		WOL04X36-20
P741	WELDOLET	XS		4"-5"×2-1/2"	2	N: 900 □(1652F) A.C		XHWOL02.5X5-4
P743	CROSS TEE	2000#	NPT	3"	35	N: 900 □(1652F) A.C		2MCRS03.0
P809	TANK FLANGE	3000#	NPT	1-1/2"	50	N: 900 □(1652F) A.C		TF01.5
P849	TEE	6000#	NPT	2"	286	N: 900 □(1652F) A.C		6MTT02.0
P869	TEE	6000#	NPT	1/2"	120	N: 900 □(1652F) A.C		6MTT.50
P898	SOCKOLET	3000#		6"-36"×1-1/2"	25	N: 900 □(1652F) A.C		SOL01.5X36-6
P916	TEE	6000#	NPT	2"	106	N: 900 □(1652F) A.C		6MTT02.0
P923	CAP	6000#	NPT	3/4"	160	N: 900 □(1652F) A.C		6MCAPT.75
P926	TEE	6000#	SW	1-1/2"	25	N: 900 □(1652F) A.C		6MTS01.5

CHEMICAL COMPOSITION(%)

HCN	spec.	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	C.E	Raw Heat No	Raw Maker
	Max	0.35	1.05	0.035	0.040	0.35	0.40	0.30	0.12	0.40	0.080	-		
	Min	-	0.60	-	-	0.10	-	-	-	-	-	-		
P408	L	0.200	0.940	0.018	0.005	0.220	0.070	0.100	0.020	0.110	0.000	0.393	B62596	SeAH
P741	L	0.190	0.920	0.018	0.005	0.200	0.110	0.150	0.030	0.120	0.000	0.395	B62595	SeAH
P743	L	0.190	0.930	0.013	0.005	0.190	0.070	0.130	0.020	0.110	0.000	0.387	B60585	SeAH
P809	L	0.190	0.900	0.013	0.010	0.230	0.050	0.140	0.010	0.140	0.000	0.383	D11397	SeAH
P849	L	0.190	0.920	0.021	0.010	0.210	0.060	0.120	0.020	0.120	0.000	0.383	B68374	SeAH
P869	L	0.190	0.930	0.024	0.010	0.180	0.120	0.210	0.030	0.170	0.010	0.414	D13293	SeAH
P898	L	0.180	0.910	0.020	0.005	0.190	0.140	0.120	0.040	0.150	0.000	0.383	D15340	SeAH CSS
P916	L	0.180	0.910	0.022	0.007	0.190	0.120	0.170	0.030	0.140	0.010	0.391	D15344	SeAH
P923	L	0.190	0.900	0.019	0.010	0.190	0.100	0.150	0.030	0.180	0.000	0.395	D16311	SeAH
P926	L	0.180	0.920	0.022	0.008	0.190	0.080	0.120	0.020	0.170	0.000	0.378	D15448	SeAH

MECHANICAL PROPERTIES

HCN	spec.	Y.S (Ksi)	T.S (Ksi)	E.L (%)	Red. (%)	Hardness Test HB			
	Max	-	-	-	-	187			
	Min	36.0	70.0	22.0	30.0	-			
P408	P	52.1	78.8	37.0	85.4	143	151		
P741	P	45.0	77.0	33.7	42.1	145	148		
P743	P	39.8	77.3	33.4	41.7	140	146		
P809	P	48.7	80.2	42.7	86.5	152	141		
P849	P	43.2	75.8	33.2	43.6	150	154		
P869	P	50.9	80.2	33.4	39.0	148	150		
P898	P	46.8	73.8	36.4	64.0	145	153		
P916	P	51.0	77.7	34.3	68.7	139	152		
P923	P	47.3	75.6	34.0	63.5	154	151		
P926	P	55.5	86.1	31.8	80.3	149	142		

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:
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 Dep't