ORIGINAL

MATERIAL TEST & INSPECTION CERTIFICATE

PFC Pusan Fitting Corporation
#39, Noksansandan 46-ro, Gangseo-gu, Busan, Korea
TEL: 82-51-832-2100
FAX: 82-51-832-2103
http://www.pusanfitting.com

Purchaser: DODSON GLOBAL INC.
Project Name:
Project No:
Po No: 247184TX

According to
DIN 50049 3.1 / EN 10204 3.1 / ISO 10474 3.1

SPEC. FOR MATERIAL	ASTM A234 WPB-18a & ASME SA234 WPB(ASME BPVC.II.A-2017)	HEAT TREATMENT	A : HOT FORMED WITH FINAL(620℃ ~ 980℃)	CERTIFICATE NO.	PM200309 - 07
SPEC. FOR INSPECTION	ASME B16.9 (Wrought Buttwelding Fittings)-2018			DATE FOR ISSUE	2020.03.09
STARTING MATERIAL	CARBON STEEL SEAMLESS PIPE			VISUAL & DIMENSION	GOOD

No	SEQ/LINE/ITEM NO	ITEM	SCH.	NPS	Qty	HCN		H/T	NDE / PMI	Remark
1		90D ELBOW LR	STD	16	63	A2683		A		
2		90D ELBOW LR	XH	16	16	A1311		A		

No	HCN	CHEMICAL COMPOSITION (wt. %)													TENSILE TEST						IMPACT TEST(ft·lbf)		Hydro Test
		SPEC.	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V		C.E.	SPEC	Y.S	T.S	E.L	R.A	Hardness	Temp.(℃)	Size(2㎜-v)	(MPa)
			×100	×100	×100	×1000	×1000	×100	×100	×100	×100	×100				ksi	ksi	%	%	HBW			
		MIN		10	29										MIN	35	60	22			Min()	Ave.()	Pressure / result
		MAX	25		106	50	58	40	40	15	40	8		0.50	MAX		95			197	Act.	Ave.	
1	A2683	L	19	24	48	13	6	1	4	0	2	0		0.280	L	38	64	47.5		131/132			
2	A1311	L	20	26	58	12	5	4	10	0	1	1		0.322	L	40	68	31.5		131/135			

Note.
1) L : LADLE ANALYSIS , P : PRODUCT ANALYSIS , HCN : Heat Control Number
2) NACE MR0175/ISO 15156-2 : 2015

WE CERTIFY THIS MATERIAL HAS BEEN MANUFACTURED AND EXAMINED IN ACCORDANCE WITH AN REQUIREMENTS OF THE SPECIFICATION AND THE RESULTS OF ALL EXAMINATION ARE ACCEPTABLE.

PUSAN FITTING CORPORATION QUALITY ASSURANCE

2020.

MANAGER OF QUALITY

REVIEWED BY :

WITNESSED BY :

• 본 검사증명서에 명기된 규격용의 사용시 안정상 문제가 발생할 수 있으며, 검사증명서 위 변조시 사문서 위조(형법231조)로 불이익을 당하실 수 있습니다.