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 CONTRACT(P/O) NO.(계약번호) : 2410
 PRJ.D.(주문서번호) : F161000177
 COMMODITY(제품명) : ERW CARBON STEEL PIPE
 SPECIFICATION(제품규격) : API 5L B90.1/ASTM A53B/SKESAS58B

검사증명서

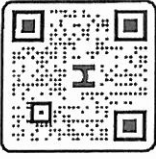
MILL TEST CERTIFICATE

EN10204 3.1/ISO 10474 3.1B

CUSTOMER(고객명) : PLSA ANHUAC Y CIAS, S.A. DE C.V.



출산공장 : 울산광역시 북구 영포로 106
 106, Yeonpo-ro, Buk-gu, Ulsan, Korea



No.	TYPE OF PIPE END	SIZE OUT-ODX*THICK*LENGTH (외경*두께*길이)	PCS (장)	WEIGHT (KG)	TOTAL LENGTH (M)	HEAT No	Hydraulic Test		Tensile Properties(Gauge Length: 2 inch)			Hardness Test		Hardness Test & CMI Impact Test									
							Pressure	Time	Base	Weld	Yield Strength	V/R	EL	Max Value	Min Value	CMI Impact Test (C)	DWT Test (C)						
							PSI	SEC	Mpa	Mpa	Mpa	%	%	HV	HAZ	1	2	3	avg	1	2	avg	
1	EB BE	10-3/4" X 0.250" X 20.177 F	102	26,405	2,058.054	ZB1453	1000	5	474	524	353	39	B	163	184								
2	EB BE	10-3/4" X 0.250" X 20.177 F	92	23,916	1,856.284	ZC3613	1000	5	489	525	367	35	B	138	169								
3	EB BE	10-3/4" X 0.250" X 20.177 F	70	18,121	1,412.39	ZC3719	1000	5	487	518	356	37	B	150	173								
TOTAL			264	68,342	5,326.728																		

No.	Heat No.	Spec	Chemical Composition(%)											Zn-Coating		HC-Test		HIC-Test		S.S.C.C Test	Remark		
			C	SI	Mn	P	S	CU	NI	CR	MO	V	Ti	Nb	B	CAI #8	CAI #9	Zn Coating	Copper Sulfate Test			Coarse Pressure	QLP
			Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1	ZB1453	H	17	2	50	16	8	2	1	4	1	1	1	2									
2	ZC3613	H	18	2	51	16	8	3	2	4	1	1	1	2									
3	ZC3719	H	17	2	54	22	8	3	2	4	3	1	1	2									
Heat Treatment			Non-Destructive Test			Rolling / Bending Test			Visual & Dimension			Residual Magnetism (Gauss)											
G900			GOOD			GOOD			GOOD			GOOD											

COPY

JHC CHOI

QA Manager

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