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 CONTRACT(P/O) NO.(계약번호) :
 PR NO.(주문서 번호) : S200111791
 COMMODITY(제품명) : CARBON STEEL PIPE
 SPECIFICATION(제품규격) : API 5L B PSL1/ASTM 53B

검사증명서

MILL TEST CERTIFICATE

EN 10204 TYPE 3.1 - 2004



현대제철주식회사
HYUNDAI STEEL

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CUSTOMER(고객사) : PLESA ANAHUAC Y CIAS S.A. DE C.V.

No.	TYPE OF PIPE END	SIZE OUT-DIA x THICK x LENGTH (외경 X 두께 X 길이)	PCS (본)	WEIGHT (KG)	TOTAL LENGTH (F)	HEAT No.	Hydrostatic Test		Spec.	Tensile Properties (Gage length : 2 inch)	Hardness Test & CVN Impact Test						D.W.T Test (°C)											
							Pressure	Time			Tensile Strength		Yield Strength	Y/R Rate	E.L.	Hardness Test	CVN Impact Test (°C)				Shear Area(%)							
											Base	Weld					Absorbed Energy (Joule)				Shear Area(%)							
							PSI	SEC			Mpa	Mpa	Mpa	%	%	Specimen size	1	2	3	Avg	1	2	Avg					
1	EB BE	14" X 0.500" X 21.000 F	33	22.682	693.0	SB59405	1530	5	T	484	503	383																
		TOTAL	33	22.682	693.0																							

No.	Heat No.	Spec.	Chemical Composition # 2:x100 3: x1000 4:x10000																Zn-Coating Test		HC-Test	H.I.C Test			S.S.C.C Test	Remark		
			C	Si	Mn #7	P	S	Cu	Ni	Cr	Mo	V	Ti	Nb	Al	B	CEQ #5	CM1 #8	CM2 #9	Zn Coating	Copper Sulfate Test	Collapse Pressure	CLR	CTR			CSR	
			2	2	2	3	3	2	2	2	2	2	2	2	2	4	3	2	2		Time	Result	psi	%			%	%
			Min. #4	Max. #4	26		120	30	30	50	50	50	15															
1	SB59405	H	18	2	81	16	3																					
		P	17	2	80	15	4	2	3	3	1	TR	TR	TR	4	2	317	TR	TR									
		P	17	2	80	14	4	2	3	3	1	TR	TR	TR	4	2	318	TR	TR									



Heat Treatment	Non-Destructive Test (U.T)	Flattening	Visual & Dimension	Residual Magnetism (Gauss)
GOOD	GOOD	GOOD	GOOD	GOOD

본 제품은 관련 규격에 합격되었음을 보증합니다.
 WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN ACCEPTED IN ACCORDANCE WITH THE PRESCRIBED SPECIFICATION AND ORDER.
 * 본 검사증명서에 명기된 규격용도의 사용시 안전상 문제가 발생할 수 있으며, 검사증명서 위.변조시 사문서 위조로 불이익을 당하실 수 있습니다.

H.K. CHOI
Q.A Manager