

CERTIFICATE NO(인증서 번호) : B04W55
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 CONTRACT(계약) NO(계약번호) : 24410
 PR NO(주문서번호) : F161000177
 COMMODITY(제품명) : ERW CARBON STEEL PIPE
 SPECIFICATION(세공규격) : API 5L B PSL1/ASTM A53B/ASME SA53B

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

검사증명서

MILL TEST CERTIFICATE

EN10204 3.1/ISO 10474 3.1B



출신공장 : 울산광역시 북구 영포로 705
 705, Yeonpo-ro, Buk-gu, Ulsan, Korea



No	TYPE OF PIPE END	SIZE	PCS	WEIGHT (KG)	TOTAL LENGTH (F)	HEAT No.	Hydraulic Test		Tensile Properties (Gage Length: 2 inch)				Hardness Test			H.C Test		S.C.C Test		REMARK																																																																						
							Pressure (PSI)	Time (Min)	Tensile Strength Base (Mpa)	Tensile Strength Weld (Mpa)	Yield Strength (Mpa)	V/R Rate (%)	EL (%)	Max Value	HV	CLR (%)	CTR (%)	CSR (%)	CLR (%)		CTR (%)	CSR (%)																																																																				
1	EB BE	16" X 0.375" X 20.177 F	16	9,149	322.832	1773001160	1000	5	468	475	350	43	B	170	248																																																																											
2	EB BE	16" X 0.375" X 20.177 F	2	1,144	40,354	SP72976	1000	5	502	491	388	43	B	179																																																																												
3	EB BE	16" X 0.375" X 20.177 F	32	18,298	645,664	SP72978	1000	5	500	505	387	41	B	176																																																																												
4	EB BE	16" X 0.375" X 20.177 F	55	31,450	1,099,735	SP72980	1000	5	508	494	387	42	B	167																																																																												
<p>Chemical Composition(%)</p> <table border="1"> <thead> <tr> <th>Spec</th> <th>C</th> <th>SI</th> <th>Mn</th> <th>P</th> <th>S</th> <th>CU</th> <th>NI</th> <th>CR</th> <th>MO</th> <th>V</th> <th>TI</th> <th>NB</th> <th>B</th> <th>CAI #1</th> <th>CAI #2</th> <th>CAI #3</th> <th>Zn Coating</th> <th>Cooper Sulfate Test</th> <th>H-C Test</th> <th>H.C Test</th> <th>S.C.C Test</th> </tr> </thead> <tbody> <tr> <td>#4</td> <td>2</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>4</td> <td>3</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Max</td> <td>26</td> <td></td> <td>120</td> <td>30</td> <td>30</td> <td>50</td> <td>50</td> <td>50</td> <td>150</td> <td></td> <td></td> <td></td> <td>10</td> <td>60</td> <td>150</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>2-x100 3-x1000 4-x10000</p>																					Spec	C	SI	Mn	P	S	CU	NI	CR	MO	V	TI	NB	B	CAI #1	CAI #2	CAI #3	Zn Coating	Cooper Sulfate Test	H-C Test	H.C Test	S.C.C Test	#4	2	2	2	3	3	2	2	2	3	3	3	3	4	3	3									Max	26		120	30	30	50	50	50	150				10	60	150								
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#4	2	2	2	3	3	2	2	2	3	3	3	3	4	3	3																																																																											
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<p>REMARK</p> <p>* 1) Type of pipe end(관종) EB:ERW Back-End, BA:End * 2) L: Longitudinal T-Transverse * 3) B: Bore, W: Weld Line, H: Heat Affected Zone * 4) H: Heat(Affected) Analysis, P: Product Analysis * 7) For each reduction of 0.01% below the specified max. for C an increase of 0.05% above the specified max. for Mn is permissible, up to a max. of 1.55% * 8) CAI=#N#V * 9) CAI=#N#V#T * SPEC:ENAS - API 5L 45th Edition(2013)/ASTM A53(2012)/ASME SA53 (2015) * License No. : SL-0026 * Address to : NACE MR0175/ISO 15156 * API 5L Annex E(IND B) : O.D.X5-ECT(I) (Ann hole) : O.D.X5-UT(3)mm (hole) * Heat treatment : Normalizing(871-1100°C, Holding time : max.30min)</p>																																																																																										

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