성적서 번호
CERTIFICATE NO. : 9500459
발행일자
DATE OF ISSUE. : 2009-05-11
계약번호
CONTRACT(P/O) NO. : TBA
품명
COMMODITY : H.F.W. STEEL PIPE
제품규격
SPECIFICATION : API 5L X42/API 5LB PSL1/ASTM A53B/ASME SA53B

200028084

검 사 증 명 서(A)

MILL INSPECTION CERTIFICATE

MILL INSPECTION CERTIFICATE

고 객 사
CUSTOMER : 현대중합상사

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관종 TYPE OF PIPE END	치수 DIMENSION 외경 × 두께 × 길이 (OUTDIA × THICK × LENGTH)			수량 QUAN-TITY	중량 WEIGHT	수압시험 HYDRO-STATIC TEST		제강번호 HEAT NO.	인장시험 TENSILE TEST (Gage Length : 2 INCH)					화학성분(%) CHEMICAL COMPOSITION															경도 HARD-NESS	충격시험 IMPACT TEST (℃)		도막시험 COATING TEST			비고 REM-ARK
						PSI	#5		항복강도 YIELD STRENGTH	인장강도 TENSILE STRENGTH #7 B	인장강도 TENSILE STRENGTH #7 W	연신율 E.L			C	Si	Mn	P	S	Cu	Ni	Cr	Mo	V	Ti	Nb			Al	CEQ #9		흡수에너지 ABSORBED ENERGY	전단파면률 SHEAR AREA	아연부착량 WEIGHT OF ZINC COAT	균일성 DIP TEST		
#1	#2	#3	#4	(PCS)	(KG)				#6	Mpa/PSI			%	#8	×100			×1000		×100									×1000		HV	JOULE	%	g/㎡	TI-MES	#5	
EB BE	NB	16" X 0.375" X 42.000'		10	13,423	1,490	G	J15686		375	465	492	36		6	2	87	15	7	2	1	1	1	TR	TR	TR										
										54,400	66,800	71,100																								
EB BE	NB	20" X 0.250" X 42.000'		8	8,108	960	G	J15628		383	479	508	39		5	2	82	15	5	2	1	1	1	TR	TR	TR										
										55,600	69,700	73,900																								
				10	10,134	960	G	J15687		362	466	495	40		6	2	85	15	5	2	1	1	1	TR	TR	TR										
										52,500	68,200	72,000																								
EB BE	NB	20" X 0.250" X 42.000'		17	17,229	960	G	J15687		362	466	495	40		6	2	85	15	5	2	1	1	1	TR	TR	TR										
										52,500	68,200	72,000																								
EB BE	NB	20" X 0.250" X 42.000'		16	16,215	960	G	J15687		362	466	495	39		6	2	85	15	5	2	1	1	1	TR	TR	TR										
										52,500	68,200	72,000																								
EB BE	NB	20" X 0.250" X 42.000'		13	13,175	960	G	J15687		336	466	495	41		6	2	85	15	5	2	1	1	1	TR	TR	TR										
										48,800	68,200	72,000																								
				2	2,027	960	G	J15688		365	466	493	43		6	3	81	14	5	2	1	1	1	TR	TR	TR										

#10 HEAT TREATMENT	#11 VISUAL & DIMENSION TEST	#12 FLATTENING, BEND, GUIDED BEND TEST	#13 R-FLATTENING TEST	#14 FLARING TEST	#15 NONDESTRUCTIVE TEST (U.T)	#16 R.M.T	#17 CRUSH TEST	#18 DRIFT TEST	#19 FLANGE TEST
GOOD	GOOD	GOOD			GOOD	GOOD			

NOTE 1 #1 Type of pipe end 관종

EB:ERW Black End	RB:SAW Black	TC:Thread Coupling
EA:ERW Annealing	RG:SAW Galvanizing	RG:Roll Grooving
EG:ERW Galvanizing	RS:SAW Spiral	VG:Victaulic Grooving
EC:ERW Black Thread	PE:Plain End	PC:Plain End + Coupled
ED:ERW Galvanizing Thread	BE:Bevel End	PB:Plain End + Bevel End
EH:ERW Galvanizing Scaffolding	TE:Thread End	SO:Sell End

#2 NB:Nominal Bore 호칭경, OD:Outside Diameter
#3 Unit 단위(M:mm, I:inch)
#4 Unit 단위(M:Meter, F:Feet, R:ton)
#5 G:GOOD
#6 H:Heat(Ladle) Analysis 용융분석, P:Product Analysis 제품분석, WP:Weld Product Analysis 용접부 제품분석
#7 B:Base Metal 모재부, W:Weld Part 용접부
#8 L:Longitudinal 연신방향, T:Transverse 횡주방향
#9 CEQ=C+Mn/6+(Ni+Cu)/15+(Cr+Mo+V)/5 탄가탄소량
#10:Heat Treatment 열처리
#11 Visual & Dimension Test 육안 및 치수검사
#12 Flattening/Bend/Guided Bend Test 편평/벤드/굽힘시험
#13:Reverse Flattening Test 역계시험
#14 Flaring Test 압축시험
#15 Nondestructive Test 비파괴검사
#16:Residual Magnetism Test 잔류자장시험
#17:Crush Test 압괴시험
#18:Drift Test 관통시험
#19:Flange Test 플랜지시험

NOTE 2 • SPEC YEAR – API 2008/ASTM 2006/ASME 2004
• NACE MR-0175

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• 본 검사증명서에 명기된 규격범도의 사용시 안전상 문제가 발생할 수 있으며, 검사증명서 위,변조시 사용시 위조도 불이익을 당하실 수 있습니다.

SURVEYOR

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