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 CONTRACT(P/O) NO.(계약번호) : 28991
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 COMMODITY(물품명) : E RW CARBON STEEL PRE
 SPECIFICATION(대용규격) : ASTM A53 B

검사증명서

MILL TEST CERTIFICATE

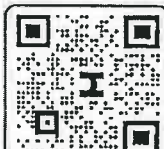
EN 10204 TYPE 3.1 - 2004

CUSTOMER(고객사):

현대중합상사(주)



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No.	TYPE OF PIPE END	SIZE	PCS	WEIGHT	TOTAL LENGTH	HEAT No.	Hydrostatic Test			Tensile Properties(Gage Length: 2.0m)			Hardness Test			CAN Impact Test			DWT Test (C)
							Spec	PSI	Min	Base	Weld	Yield	Strength	V/R	EL	Max	Value	Specimen	
1	E9 BE	16" X 0.500" X 6.150 M	35	26,540	215.25	SC17570	1310	5	T	496	505	323							
		TOTAL	35	26,540	215.25														

No	Heat No.	Chemical Composition(%)											Zn-Coating Test			H-C-Test		HIC Test			BSCC Test	Remark	
		C	S	Mn	P	S	CU	NI	CR	MO	V	CA	Coating	Coating	Coating	Coating	Coating	Coating	Coating				
1	SC17570	Min	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	*1) Type of pipe end(관종) BE:SEW, BE:BE, BE:BE, BE:BE *2) L: Longitudinal, T: Transverse *3) B: Base, W: Weld Line, H: Heat Affected Zone *4) H: Heat(Angle) Analysis, P: Product Analysis *7) For each reduction of 0.01% below the specified C max an increase of 0.05% Mn above the specified max will be permitted up to a max of 1.65% *10) CA3=CU+NI+CR+MO+V * SPEC YE4R - ASTM A53(B,ED)
		Max	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	

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 The material has been manufactured, sampled, tested and inspected in accordance with the specification and has been found to meet the requirements.
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 You are able to check an original electronic document at Hyundai's customer portal.(http://sm.hyundai-steel.com/csr/qrh.jsp) * QRcode scanner App : 'Qbar'

HK CHOI

QA Manager