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검사증명서 MILL TEST CERTIFICATE



당진제철소 : 충남 당진시 송악읍 북부산업로 1480
1480 Bukbusanup-Ro, Songak-Eup, Dangjin-Si, Chungnam, Korea



주문번호 : E191200605
Order No.

품명 : Hot Rolled Steel Plate 고객사 : PRICE STEEL
Commodity Customer

증명서 번호 : 20200218-PS-002-028
Certificate No.

제품규격 : ASME SA516-70N(2017)/ASTM A516-70N(2017) 주문자 : HYUNDAI CANADA INC.
Specification Contractor

발행일자 : 2020-02-18
Date of Issue

제품치수 Dimension	수량 Quantity	중량 Weight (kg)	제강번호 Heat No.	제품번호 Product No.	위치 Position	인장시험 Tensile Test						충격시험 Impact Test V Notch -46.0 °C			화학성분 Chemical Composition(%)													단위 Unit 2 : x100 3 : x1,000 4 : x10,000 5 : x100,000			
						YP	TS	EL	YP-EL	RA	YR	YP Mid	Energy	SF	LE	Division	C	Si	Mn	P	S	Cr	Ni	B	Cu	Mo	Nb	Ti	V	Sol	CEQ
						(N/mm ²)	(%)	(%)	(%)	(%)	(%)	(Joule)	(%)	(mm)	4		3	3	4	4	2	2	4	3	2	3	3	3	3	3	
1.5"x96"x480"	1	8,889	R39019	FC17965401	T	351.8	534.7	31				2	1:188 2:204 3:236 A:210			L	1,539	333	1,136	84	13	17	18	1	136	0	15	2	1	29	398
1.5"x96"x480"	1	8,889	R39025	FC18075901	T	356.6	529.1	32				2	1:218 2:242 3:201 A:220			L	1,563	327	1,155	135	15	18	18	1	131	0	15	2	1	28	405

*** Sub Total(019) *** 2 17,778(Kg)
 *** Heat Treatment : Normalized : 905°C 63 Min.
 *** Lot Total *** 74 286,313(Kg) PO/Contract No. : 39797F Lot No. : PRICE STEEL
 *** Grade Total *** 74 286,313(Kg) Ceq(CEV), G = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5
 *** Last Item ***

NOTE

- Position - T:Top, M:Middle, B:Bottom
- Tensile test - Direction:Transverse, Gauge length:200mm (Rectangular), YP Mid : 2 (0.2% off-set), 5 (0.5% underload), U (Upper yield point), L (Lower yield point)
- Impact test - Direction:Longitudinal, Size:10mmX10mm, SF:Shear fracture, LE:Lateral Expansion
- Division - P:Product analysis, L:Ladle analysis
- Normalized, NACE MR0103/MR0175/ISO 15156-2 (2015 edition)
- The plate is fully killed and fine grained steel. Basic oxygen process and Vacuum degassing process were applied.* This Mill Test Certificate is issued in accordance with EN 10204 Type 3.1

상기의 제품은 검사의 결과 지정된 규격에 합격한 것을 증명합니다.
 WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND THE REQUIREMENTS

Signature
S. B. Park
Chief Of Quality Assurance Team

* 본 검사증명서는 원본인 전자문서(전자서명 정보 포함)로부터 출력된 사본입니다. 전자문서와 내용은 원본과 동일하며 고객포탈에서 확인하실 수 있습니다.(http://sm.hyundai-steel.com/cs/cm/login.jsp)
 * This Mill Test Certificate is a copy that has been printed from original electronic document(with digital signing).
 * You are able to check an original electronic documents at hyundai-steel's customer portal.(http://sm.hyundai-steel.com/cs/cm/login.jsp) * QRcode scanner App "QReal"
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 * [Caution for Use] Damage on products and safety problems may arise if used other than to the spec stated in this Mill Test Certification.

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검사증명서

MILL TEST CERTIFICATE

(Attached Sheet)



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1480 Bukbusanup-Ro, Songak-Eup, Dangjin-Si, Chungnam, Korea



주문번호
Order No. : E191200605

품명
Commodity : Hot Rolled Steel Plate

제품규격
Specification : ASME SA516-70N(2017)/ASTM A516-70N(2017)

고객사
Customer : PRICE STEEL

주문자
Contractor : HYUNDAI CANADA INC.

증명서 번호
Certificate No. : 20200218-PS-002-028

발행일자
Date of Issue : 2020-02-18

제품번호 Product No.	Position	경도시험 Hardness Test			
		HB			
		1	2	3	Avg.
FC17955401	T	146.0	146.0	146.0	146.0
FC18075001	T	150.0	150.0	150.0	150.0
*** Sub Total(019) ***		2	17,778(Kg)		
*** Heat Treatment : Normalized : 905°C 63 Min.					
*** Lot Total ***		74	286,313(Kg)		PC/Contract No. : 39/9/F Lot No. : PRICE STEEL
*** Grade Total ***		74	286,313(Kg)		Ced(CEV), G = C + Mn/6 + (N + Cu)/15 + (Cr + Mo + V)/5
*** Last Item ***					
NOT	* Normalized, NACE MR0103/MR0175/ISO 15156-2 (2015 edition) * The plate is fully killed and fine grained steel. Basic oxygen process and Vacuum degassing process were applied. * This Mill Test Certificate is issued in accordance with EN 10204 Type 3.1				
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					Signature S. B. Park Chief Of Quality Assurance Team

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