검 사 증 명 서
MILL TEST CERTIFICATE

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

주문번호 Order No. : E190200150

품 명 Commodity : HOT ROLLED STEEL PLATE
고객사 Customer : DUFERCO
증명서 번호 Certificate No. : 20190323-PS-003-020

제품규격 Specification : ASTM A572-50/A709-50
주문자 Contractor : DUFERCO S.A.
발행일자 Date of Issue : 2019-03-23

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test							화학성분 Chemical Composition(%) 단위 Unit 2 : x100 3 : x1,000 4 : x10,000 5 : x100,000													
						YP	TS	EL	YP-EL	RA	YR	YP Mtd	Division	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol -Al
						(N/mm²)		(%)	(%)	(%)	(%)			4	3	3	4	4	2	2	3	2	3	3	3	3
25.4 x 1829 x 6096	1	2,223	R02624	FB60467702	T	424.3	561.8	27				U	P	1,575	355	1,355	145	28	3	7	80	0	18	2	17	32
													L	1,583	354	1,352	142	30	3	7	81	0	18	2	17	32
25.4 x 1829 x 6096	1	2,223	R02624	FB60467704	T	424.3	561.8	27				U	P	1,575	355	1,355	145	28	3	7	80	0	18	2	17	32
													L	1,583	354	1,352	142	30	3	7	81	0	18	2	17	32
25.4 x 1829 x 6096	1	2,223	R02624	FB60467802	T	424.3	561.8	27				U	L	1,583	354	1,352	142	30	3	7	81	0	18	2	17	32
													P	1,575	355	1,355	145	28	3	7	80	0	18	2	17	32
25.4 x 1829 x 6096	1	2,223	R02624	FB60467804	T	424.3	561.8	27				U	L	1,583	354	1,352	142	30	3	7	81	0	18	2	17	32
													P	1,575	355	1,355	145	28	3	7	80	0	18	2	17	32
25.4 x 1829 x 6096	1	2,223	R02628	FB60467902	T	414.2	564.7	26				U	L	1,586	342	1,354	140	20	3	7	76	0	19	2	16	33
													P	1,536	345	1,356	155	21	3	7	72	0	18	2	17	33
25.4 x 1829 x 6096	1	2,223	R02628	FB60467904	T	414.2	564.7	26				U	P	1,536	345	1,356	155	21	3	7	72	0	18	2	17	33
													L	1,586	342	1,354	140	20	3	7	76	0	19	2	16	33
25.4 x 1829 x 6096	1	2,223	R02609	FB60587202	T	414.2	556.5	27				U	L	1,525	335	1,336	99	37	3	7	80	0	18	2	16	30
													P	1,737	348	1,382	139	55	3	7	80	0	23	2	18	30
25.4 x 1829 x 6096	1	2,223	R02609	FB60665902	T	414.2	556.5	27				U	L	1,525	335	1,336	99	37	3	7	80	0	18	2	16	30
													P	1,737	348	1,382	139	55	3	7	80	0	23	2	18	30

NOTE

* Position - T:Top, M:Middle, B:Bottom
* Tensile test - Direction:Transverse, Gauge length:200mm (Rectangular), YP Mtd : 2 (0.2% off-set),5 (0.5% underload), U (Upper yield point), L (Lower yield point)
* Division - P:Product analysis, L:Ladle analysis

* 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(전사서명 정보 포함)로부터 출력된 사본입니다. 전자문서의 내용은 현대제철 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 document at hyundaisteel's customer portal.(http://sm.hyundai-steel.com/cs/cm/login.jsp) * QRcode scanner App : 'QReal'
* [사용상 주의사항] 본 검사증명서에 명기된 규격 외 사용시 제품손상 및 안전상 문제가 발생할 수 있습니다.
* [Caution for Use] Damage on products and safety problems may arise if used other than to the spec stated in this Mill Test Certification.