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. : F191100036

품 명 Commodity : HOT ROLLED STEEL PLATE

고객사 Customer : PLESA STEEL

증명서 번호 Certificate No. : 20191224-PS-005-027

제품규격 Specification : ASTM A572-50/A709-50

주문자 Contractor : HYUNDAI CORPORATION

발행일자 Date of Issue : 2019-12-24

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test							Division	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		C	Si	Mn	P	S	Cr	Ni	Cu	Mo	Nb	Ti	V	Sol-Al
						(N/㎟)		(%)	(%)	(%)	(%)			4	3	3	4	4	2	2	3	2	3	3	3	3
31.75 x 1829 x 6096	1	2,779	R32627	FB69122101	T	408.4	575.7	25				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,783	338	1,348	128	36	3	8	84	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69122102	T	408.4	575.7	25				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,783	338	1,348	128	36	3	8	84	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69122103	T	408.4	575.7	25				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,783	338	1,348	128	36	3	8	84	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69122104	T	408.4	575.7	25				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,783	338	1,348	128	36	3	8	84	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69407101	T	394.2	572.6	26				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,773	343	1,353	134	36	3	8	85	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69407102	T	394.2	572.6	26				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,773	343	1,353	134	36	3	8	85	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69407103	T	394.2	572.6	26				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,773	343	1,353	134	36	3	8	85	0	18	2	17	26
31.75 x 1829 x 6096	1	2,779	R32627	FB69407201	T	413.7	578.7	25				U	L	1,856	350	1,355	161	42	3	8	87	0	21	2	16	23
													P	1,789	346	1,357	135	35	3	8	86	0	18	2	17	26

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