

# 검사증명서

## MILL TEST CERTIFICATE



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

주문번호 Order No.	: F191100036	고객사 Customer	: PLESA STEEL	증명서 번호 Certificate No.	: 20191224-PS-005-032
품명 Commodity	: HOT ROLLED STEEL PLATE	주문자 Contractor	: HYUNDAI CORPORATION	발행일자 Date of Issue	: 2019-12-24
제품규격 Specification	: ASTM A572-50/A709-50				

제품치수 Dimension	수량 Quantity	중량 Weight (Kg)	제강번호 Heat No.	제품번호 Product No.	Position	인장시험 Tensile Test					화학성분 Chemical Composition(%)											단위 Unit				
						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/mm <sup>2</sup> )	(%)	(%)	(%)	(%)			4	3	3	4	4	2	2	3	2	3	3	3	3	
38.1 x 1829 x 6096	1	3,335	R32632	FB69326203	T	415.5	562.8	24				U	L	1,588	352	1,369	150	34	2	8	78	0	21	2	17	33
38.1 x 1829 x 6096	1	3,335	R35504	FC16651901	T	385.4	563.0	26				U	P	1,630	344	1,367	144	31	2	8	75	0	21	2	18	34
38.1 x 1829 x 6096	1	3,335	R35504	FC16651902	T	385.4	563.0	26				U	P	1,699	326	1,375	156	43	3	9	107	0	20	2	17	30
38.1 x 1829 x 6096	1	3,335	R35504	FC16651903	T	385.4	563.0	26				U	L	1,699	350	1,349	136	42	3	9	85	0	19	2	18	31
38.1 x 1829 x 6096	1	3,335	R35504	FC16651904	T	385.4	563.0	26				U	L	1,699	326	1,375	156	43	3	9	107	0	20	2	17	30
38.1 x 1829 x 6096	1	3,335	R35504	FC16651904	T	385.4	563.0	26				U	P	1,699	350	1,349	136	42	3	9	85	0	19	2	18	31

\*\*\* Sub Total(056) \*\*\* 13 43,355(Kg)

\*\*\* Condition of supply : As-Rolled \*\*\*

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