

# 검사증명서

## MILL TEST CERTIFICATE



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



주문번호 : F191100036  
Order No. : F191100036

품명 : HOT ROLLED STEEL PLATE  
Commodity : HOT ROLLED STEEL PLATE

제품규격 : ASTM A572-50/A709-50  
Specification : ASTM A572-50/A709-50

고객사 : PLESA STEEL  
Customer : PLESA STEEL

주문자 : HYUNDAI CORPORATION  
Contractor : HYUNDAI CORPORATION

증명서 번호 : 20191224-PS-005-020  
Certificate No. : 20191224-PS-005-020

발행일자 : 2019-12-24  
Date of Issue : 2019-12-24

제품지수 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
19.05 x 2438 x 6096	1	2,222	R32199	FB68988401	T	452.8	578.0	22				U	L	1,663	377	1,361	163	24	2	8	86	0	21	2	17	34
19.05 x 2438 x 6096	1	2,222	R32199	FB68988402	T	452.8	578.0	22				U	P	1,663	359	1,370	149	21	3	8	79	0	19	2	17	34
19.05 x 2438 x 6096	1	2,222	R32199	FB68988403	T	452.8	578.0	22				U	P	1,663	359	1,370	149	21	3	8	79	0	19	2	17	34
19.05 x 2438 x 6096	1	2,222	R32199	FB68988404	T	452.8	578.0	22				U	L	1,663	377	1,361	163	24	2	8	86	0	21	2	17	34
19.05 x 2438 x 6096	1	2,222	R32199	FB68988405	T	452.8	578.0	22				U	P	1,663	359	1,370	149	21	3	8	79	0	19	2	17	34
19.05 x 2438 x 6096	1	2,222	R32635	FB69034403	T	415.3	568.6	25				U	L	1,692	332	1,347	146	36	3	8	93	0	20	2	15	31
												P	1,695	329	1,367	143	32	3	8	100	0	20	2	16	33	

\*\*\* Sub Total(050) \*\*\* 14 31,108(Kg)

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

**N O T E**

\* 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