



Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 180820-FP01PS-0019A1-0011

Date of Issue/발행일자 : Oct., 10, 2018

Order No./계약번호 : 01S3257565

PO No./주문번호 : PO#V14656

Supplier /주문자 : HYUNDAI CORPORATION

Commodity /품명 : STEEL PLATE

Customer /고객사 :

Spec & Type /규격 : ASTMA36/ASMESA36/A709-36

Size/치수 (mm) (inch)	Product No. /제품번호	Quantity /수량	Weight /중량 (kg) (lb)	Heat No. /제강번호	Position	Tensile Test /인장시험			Division	Chemical Composition/화합성분												
						YP (ksi)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)		
31.75x2438x6096 1-1/4"x 96 x 240	PB17333701-3705	5	18,515 40,820	SB33328	T	40.3	65.1	32	L	0.1677	0.250	0.886	0.0084	0.0034	0.024	0.011	0.018	0.003	0.001	0.001		
31.75x2438x6096 1-1/4"x 96 x 240	PB17333801-3805	5	18,515 40,820	SB33328	T	40.3	65.1	32	P	0.1575	0.251	0.842	0.0104	0.0030	0.044	0.011	0.008	0.003	0.000	0.002		
31.75x2438x6096 1-1/4"x 96 x 240	PB17346701-6705	5	18,515 40,820	SB33328	T	40.3	65.1	32	L	0.1677	0.250	0.886	0.0084	0.0034	0.024	0.011	0.018	0.003	0.001	0.001		
*** Sub Total (120) ***		27	99,981 (kg)	220,428 (lb)																		
*** Lot Total ***		27	99,981 (kg)	220,428 (lb)																		
Lot No. ==> 125096240A36																						
38.1x2438x6096 1-1/2"x 96 x 240	PB17240601-0602	2	8,890 19,598	SF02015	T	42.6	66.4	34	L	0.1491	0.256	1.072	0.0128	0.0028	0.030	0.012	0.018	0.004	0.001	0.001		
38.1x2438x6096 1-1/2"x 96 x 240	PB17240701-0702	2	8,890 19,598	SF02015	T	42.6	66.4	34	P	0.1412	0.261	1.069	0.0131	0.0029	0.032	0.012	0.019	0.004	0.001	0.002		
38.1x2438x6096 1-1/2"x 96 x 240	PB17241301-1302	2	8,890 19,598	SF02015	T	42.6	66.4	34	L	0.1491	0.256	1.072	0.0128	0.0028	0.030	0.012	0.018	0.004	0.001	0.001		
38.1x2438x6096 1-1/2"x 96 x 240	PB17241401-1402	2	8,890 19,598	SF02015	T	42.6	66.4	34	P	0.1412	0.261	1.069	0.0131	0.0029	0.032	0.012	0.019	0.004	0.001	0.002		
38.1x2438x6096 1-1/2"x 96 x 240	PB17241501-1502	2	8,890 19,598	SF02015	T	42.6	66.4	34	L	0.1491	0.256	1.072	0.0128	0.0028	0.030	0.012	0.018	0.004	0.001	0.001		
38.1x2438x6096 1-1/2"x 96 x 240	PB17240901-0902	2	8,890 19,598	SF02016	T	41.6	65.8	35	P	0.1412	0.261	1.069	0.0131	0.0029	0.032	0.012	0.019	0.004	0.001	0.002		
38.1x2438x6096 1-1/2"x 96 x 240	PB17241601-1602	2	8,890 19,598	SF02016	T	41.6	65.8	35	L	0.1439	0.258	1.084	0.0146	0.0027	0.031	0.013	0.018	0.006	0.001	0.001		
38.1x2438x6096 1-1/2"x 96 x 240	PB17310801-0802	2	8,890 19,598	SF02061	T	41.3	65.8	32	P	0.1427	0.253	1.068	0.0145	0.0028	0.032	0.014	0.019	0.003	0.000	0.002		
38.1x2438x6096 1-1/2"x 96 x 240	PB17311201-1202	2	8,890 19,598	SF02061	T	41.3	65.8	32	L	0.1439	0.258	1.084	0.0146	0.0027	0.031	0.013	0.018	0.006	0.001	0.001		
									P	0.1427	0.253	1.068	0.0145	0.0028	0.032	0.014	0.019	0.003	0.000	0.002		
									L	0.1489	0.249	1.074	0.0140	0.0027	0.045	0.019	0.031	0.008	0.001	0.004		
									P	0.1454	0.260	1.062	0.0127	0.0026	0.045	0.019	0.029	0.005	0.001	0.003		
									L	0.1489	0.249	1.074	0.0140	0.0027	0.045	0.019	0.031	0.008	0.001	0.004		
									P	0.1454	0.260	1.062	0.0127	0.0026	0.045	0.019	0.029	0.005	0.001	0.003		

* Position - T : Top, M : Middle, B : Bottom
 * Tensile Test. Direction : Transversal, Gauge Length : 200mm(Rectangular), YP Method : 0.2% off-set
 * Division - L : Ladle Analysis, P : Products Analysis
 * Supply Condition : As-Rolled unless otherwise Heat Treated.

We hereby certify that the material herein has been made in accordance with the order and above specification. This material has been fully killed and made by basic oxygen process. This material is fine grained steel. This material has been made by vacuum degassing process. Test Certificate is issued according to EN10204 3.1. Melted and Manufactured in Republic of Korea

Legal sanction can be imposed on forging. Improper use of product can cause safety issues.

Surveyor To :

S.S. Ahn