



Mill Test Certificate/검사증명서

Certificate No./증명서번호 : 230820-FP01PH-0001A1-0001
Date of Issue/발행일자 : Aug., 20, 2023

Order No./계약번호 : 01S6192299

PO No./주문번호 : 507312

Supplier : POSCO INTERNATIONAL CORPORATION
/주원자

Commodity : HOT ROLLED STEEL PLATE
/품명

Customer : THYSSENKRUPP MATERIALS NA
/고객사

Spec & Type : ABA / ASTM A36
/규격

Cert No : 6021390

Size/치수	Product No. /제품번호	Quantity /수량	Weight /중량 (kg) (lb)	Heat No. /제강번호	Country of Melt & Pour	Position	Tensile Test /인장시험			Tensile Test2			Division	Chemical Composition/화학성분											
							YP (ksi)	TS (%)	EL (%)	YP (ksi)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	Cu (%)	Mo (%)	Nb (%)	Sn (%)
0.525"x96"x480"	PB84974201-4205	5	18,515 40,820	SB82676	KOR	T	42.5	63.2	29	41.5	63.1	32	L	0.1638	0.243	0.554	0.0102	0.0054	0.041	0.015	0	0.022	0.005	0.001	0.002
0.625"x96"x480"	PB85029209	1	3,703 8,164	SB82676	KOR	T	42.5	63.2	29	41.5	63.1	32	L	0.1638	0.243	0.554	0.0102	0.0054	0.041	0.015	0	0.022	0.005	0.001	0.002
** Specimen No : Tension => PP28763509															CEQ (A) = C + Mn/6										
*** Sub Total (030) ***															22,218 (kg) 48,984 (lb)										
0.75"x96"x480"	PB84871201	1	4,443 9,795	SB82514	KOR	T	42.9	65.7	28	42.4	65.4	29	L	0.1726	0.226	0.538	0.0112	0.0041	0.058	0.055	0	0.014	0.006	0.001	0.003
0.75"x96"x480"	PB84905303-5304	2	8,886 19,590	SB82514	KOR	T	42.9	65.7	28	42.4	65.4	29	L	0.1726	0.226	0.538	0.0112	0.0041	0.058	0.055	0	0.014	0.006	0.001	0.003
0.75"x96"x480"	PB84905401-5404	4	17,772 39,180	SB82514	KOR	T	42.9	65.7	28	42.4	65.4	29	L	0.1726	0.226	0.538	0.0112	0.0041	0.058	0.055	0	0.014	0.006	0.001	0.003
** Specimen No : Tension => PP28743105															CEQ (A) = C + Mn/6										
0.75"x96"x480" PB84871301-1303															13,329 SB82514 KOR T 47.0 66.1 28 42.4 65.4 29										
*** Sub Total (040) ***															44,430 (kg) 97,950 (lb)										
*** Grado Total ***															66,648 (kg) 146,934 (lb)										
*** Grand Total ***															66,648 (kg) 146,934 (lb)										

* Position - T : Top, M : Middle, B : Bottom
 * Tensile Test Direction : Transversal, Gauge Length : 200 mm (Rectangular),
 YP Method : Upper Point
 * Tensile Test2 Direction : Transversal, Gauge Length : 200 mm (Rectangular),
 YP Method : 0.2 % off-set
 * Division - L : Ladle Analysis, P : Products Analysis
 * Supply Condition : As-Rolled unless otherwise Heat Treated.
 * IACS UR W13 applied : Actual Average Thickness ≥ Nominal Thickness



This material has been fully killed and made by basic oxygen process. This material is fine grained steel.
 No repair welding was performed to the products. Test Certificate is issued according to ISO 10474/EN 10204 3.2.
 We hereby certify that the material has been made by an approved process in accordance with the rules of
 AMERICAN BUREAU OF SHIPPING and has been satisfactorily tested in the presence of the Society's representative.

Legal sanction can be imposed on forging. Improper use of product can cause safety issues.
 This Certificate is a (printed) copy of the original electronic document.

Surveyor To : ABS

B. S. Kim





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/주요지

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Product No. /제품번호	Division	V (%)	S&AI (%)	CEQ (%)
PB84974201-4205	L	0.002	0.036	0.26
	P	0.001	0.034	
PB85029209	L	0.002	0.036	0.26
	P	0.001	0.034	
*** Sub Total (Q30) ***		6	22,218 (kg)	48,984 (lb)
PB84871201	L	0.001	0.033	0.26
	P	0.001	0.030	
PB84905303-5304	L	0.001	0.033	0.26
	P	0.001	0.030	
PB84905401-5404	L	0.001	0.033	0.26
	P	0.001	0.030	
PB84871301-1303	L	0.001	0.033	0.26
	P	0.001	0.030	
*** Sub Total (Q40) ***		10	44,430 (kg)	97,950 (lb)
*** Grade Total ***		16	66,648 (kg)	146,934 (lb)
*** Grand Total ***		16	66,648 (kg)	146,934 (lb)

CEQ (A) = C + Mn/6

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==== Last Item ====



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