



Mill Test Certificate

Certificate No. : 220727-FP01KS-0012A1-0002
Date of Issue : Aug., 08, 2022

Order No. : 01S5658124

Supplier : SUNGJIN CO., LTD.

Customer : STEMCOR

PO No. : D4B0280

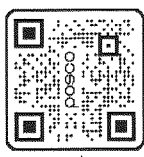
Commodity : PRIME HOT ROLLED STEEL PLATE

Spec & Type : EN10025-2 S355K2 NR

Size	Product No.	Quantity	Weight (kg)	Heat No.	Position	Tensile Test		Impact Test V Notch -20 °C Energy (Joule)	Division	Chemical Composition												
						YP (MPa)	TS (MPa)			EL (%)	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	Cu (%)	Mo (%)	N (ppm)	Nb (%)
15.01x2450x12000	PP25041601-1604	4	13,852	SU87884	T	436	551	29	L	0.1521	0.198	1.535	0.0076	0.0021	0.016	0.009	1	0.013	0.002	31	0.025	0.0129
									P	0.1502	0.201	1.535	0.0074	0.0018	0.015	0.008		0.012	0.002	34	0.024	0.0118
*** Sub Total (020) ***		12	41,556 (kg)							CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5												
*** Heat Treatment:***=> Normalizing rolling ***																						
16x2001x6000	PP25053201-3202	2	3,016	SU87882	T	429	552	31	L	0.1481	0.193	1.526	0.0077	0.0018	0.014	0.007	1	0.012	0.002	41	0.025	0.0131
									P	0.1490	0.200	1.549	0.0069	0.0016	0.015	0.008		0.012	0.002	37	0.024	0.0124
16x2001x6000	PP25053204-3207	4	6,032	SU87882	T	429	552	31	L	0.1481	0.193	1.526	0.0077	0.0018	0.014	0.007	1	0.012	0.002	41	0.025	0.0131
									P	0.1490	0.200	1.549	0.0069	0.0016	0.015	0.008		0.012	0.002	37	0.024	0.0124
16x2001x6000	PP25053901-3908	8	12,064	SU87886	T	437	553	30	L	0.1506	0.201	1.528	0.0091	0.0013	0.016	0.008	4	0.012	0.003	34	0.024	0.0140
									P	0.1574	0.210	1.543	0.0087	0.0014	0.018	0.007		0.012	0.003	42	0.026	0.0136
*** Sub Total (030) ***		14	21,112 (kg)							CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5												
*** Heat Treatment:***=> Normalizing rolling ***																						
20x2001x6000	PP25054501-4508	8	15,088	SU87880	T	428	558	28	L	0.1483	0.193	1.524	0.0088	0.0020	0.018	0.010	1	0.014	0.002	40	0.025	0.0136
									P	0.1529	0.196	1.540	0.0077	0.0019	0.015	0.008		0.013	0.002	44	0.024	0.0130

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.
No repair welding was performed to the products. Test Certificate is issued according to ISO 10474/EN 10204 3.1.
We hereby certify that the material herein has been made in accordance with the order and above specification.

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



CE 0038/CPR/MUM/1210003/1 Surveyor To :

Park, Junyoung



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Spec & Type : EN10025-2 S355K2 NR

Product No.	Division	V (%)	Sol-Al (%)	Total-Al (%)	CEQ (%)
PP25041601-1604	L	0.002	0.026	0.027	0.41
	P	0.002	0.029	0.029	
*** Sub Total (020) ***				12	41,556 (kg)
PP25053201-3202	L	0.002	0.026	0.026	0.41
	P	0.003	0.028	0.028	
PP25053204-3207	L	0.002	0.026	0.026	0.41
	P	0.003	0.028	0.028	
PP25053901-3908	L	0.002	0.022	0.027	0.41
	P	0.002	0.027	0.028	
*** Sub Total (030) ***				14	21,112 (kg)
PP25064501-4508	L	0.002	0.026	0.027	0.41
	P	0.002	0.028	0.028	

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Park, Junyoung

Surveyor To :
0038/CFR/MUM/1210003/1

POSCO

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Chief of material testing section

Park, Junyoung