posco

Mill Test Certificate

Certificate No. : 210516-FH01KS-0003A1-0006
Date of Issue : May., 26, 2021

Order No. : 01S4936100
PO No. : 2105-24.910 (24.910)
Supplier : POSCO INTERNATIONAL CORPORATION
Commodity : HR COIL
Customer : SUNBELT GROUP
Spec & Type : ASTM A36

Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test YP (MPa)	TS	EL (%)	Division	Chemical Composition C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)	Sol-Al (%)
*** Sub Total (140) ***		10	200,240 (kg)	441,445 (lb)																		
12.45x1219xC	HPR155590	1	20,310 44,775	SP92582	KOR	B	287	499	35	L	0.1920	0.008	0.852	0.0109	0.0031	0.010	0.009	0.014	0.003	0.002	0.001	0.021
										P	0.1927	0.005		0.0118	0.0035	0.014	0.010	0.017	0.002	0.001	0.001	0.025
12.45x1219xC	HPR155600	1	20,200 44,533	SP92582	KOR	B	287	499	35	L	0.1920	0.008	0.852	0.0109	0.0031	0.010	0.009	0.014	0.003	0.002	0.001	0.021
										P	0.1927	0.005		0.0118	0.0035	0.014	0.010	0.017	0.002	0.001	0.001	0.025
12.45x1219xC	HPR155510	1	20,350 44,863	SP92582	KOR	B	283	497	35	L	0.1920	0.008	0.852	0.0109	0.0031	0.010	0.009	0.014	0.003	0.002	0.001	0.021
										P	0.1927	0.005		0.0118	0.0035	0.014	0.010	0.017	0.002	0.001	0.001	0.025
12.45x1219xC	HPR155580	1	20,210 44,555	SP92582	KOR	B	283	497	35	L	0.1920	0.008	0.852	0.0109	0.0031	0.010	0.009	0.014	0.003	0.002	0.001	0.021
										P	0.1927	0.005		0.0118	0.0035	0.014	0.010	0.017	0.002	0.001	0.001	0.025
12.45x1219xC	HPR155520	1	20,140 44,400	SP92586	KOR	B	299	473	38	L	0.1831	0.006	0.814	0.0105	0.0035	0.017	0.015	0.024	0.004	0.002	0.001	0.030
										P	0.1907	0.004		0.0110	0.0036	0.015	0.010	0.015	0.004	0.001	0.000	0.030
12.45x1219xC	HPR155550	1	20,250 44,643	SP92586	KOR	B	299	473	38	L	0.1831	0.006	0.814	0.0105	0.0035	0.017	0.015	0.024	0.004	0.002	0.001	0.030
										P	0.1907	0.004		0.0110	0.0036	0.015	0.010	0.015	0.004	0.001	0.000	0.030
12.45x1219xC	HPR155560	1	20,230 44,599	SP92586	KOR	B	299	473	38	L	0.1831	0.006	0.814	0.0105	0.0035	0.017	0.015	0.024	0.004	0.002	0.001	0.030
										P	0.1907	0.004		0.0110	0.0036	0.015	0.010	0.015	0.004	0.001	0.000	0.030
12.45x1219xC	HPR155530	1	20,240 44,621	SP92586	KOR	B	281	472	37	L	0.1831	0.006	0.814	0.0105	0.0035	0.017	0.015	0.024	0.004	0.002	0.001	0.030
										P	0.1907	0.004		0.0110	0.0036	0.015	0.010	0.015	0.004	0.001	0.000	0.030
12.45x1219xC	HPR155540	1	20,210 44,555	SP92586	KOR	B	281	472	37	L	0.1831	0.006	0.814	0.0105	0.0035	0.017	0.015	0.024	0.004	0.002	0.001	0.030
										P	0.1907	0.004		0.0110	0.0036	0.015	0.010	0.015	0.004	0.001	0.000	0.030
12.45x1219xC	HPR155570	1	20,150 44,422	SP92586	KOR	B	281	472	37	L	0.1831	0.006	0.814	0.0105	0.0035	0.017	0.015	0.024	0.004	0.002	0.001	0.030
										P	0.1907	0.004		0.0110	0.0036	0.015	0.010	0.015	0.004	0.001	0.000	0.030
*** Sub Total (160) ***		10	202,290 (kg)	445,966 (lb)																		
*** Grade Total ***		37	745,410 (kg)	1,643,319 (lb)																		
*** Grand Total ***		65	1,330,110 (kg)	2,932,343 (lb)																		

=== Last Item ===

* Position - T : Top, M : Middle, B : Bottom
* Tensile Test. Direction : Transversal, Gauge Length : 50 ㎜(Rectangular), YP Method : Upper Point
* Division - L : Ladle Analysis, P : Products Analysis

P.O.# P0227212-08
1/2" 48x96
HEAT # SP92582

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.
This material has been fully killed and made by basic oxygen process.
Test Certificate is issued according to ISO 10474/EN 10204 3.1.

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

Surveyor To :

Ko Jae Gon