



Mill Test Certificate

Certificate No. : 230422-FH01KS-0023A1-0010
Date of Issue : May., 02, 2023

Order No. : 01S6033869

PO No. : 2304-25.770 (25.770)

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : HR COIL

Spec & Type : ASTM A36

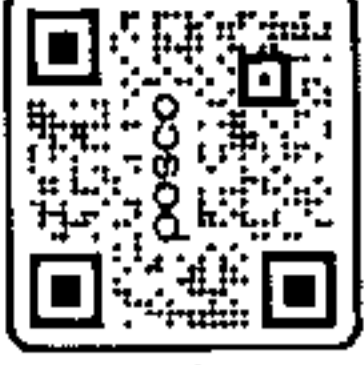
Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test			Division	Chemical Composition											
							YP (%)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)	Sol-Al (%)
9.53x1829xC	HRQ069470	1	22,540 (kg) 49,691 (lb)	SQ22514	KOR	B	303	477	23	L	0.1665	0.004	0.754	0.0142	0.0037	0.013	0.006	0.013	0.002	0.000	0.000	0.028
*** Sub Total (120) ***		7	156,180 (kg) 344,313 (lb)							P	0.1757	0.005	0.0129	0.0042	0.011	0.005	0.011	0.001	0.000	0.000	0.000	0.026
12.73x1219xC	HPO162270	1	20,300 (kg) 44,753 (lb)	SP48885	KOR	B	282	474	33	L	0.1840	0.010	0.768	0.0119	0.0050	0.025	0.009	0.028	0.008	0.000	0.002	0.026
12.73x1219xC	HPQ162280	1	21,100 (kg) 46,517 (lb)	SP48885	KOR	B	282	474	33	L	0.1840	0.010	0.768	0.0117	0.0045	0.023	0.011	0.030	0.005	0.000	0.000	0.025
12.73x1219xC	HPQ162370	1	21,200 (kg) 46,737 (lb)	SP48885	KOR	B	282	474	33	L	0.1840	0.010	0.768	0.0119	0.0050	0.025	0.009	0.028	0.008	0.000	0.002	0.026
12.73x1219xC	HPQ162380	1	20,270 (kg) 44,687 (lb)	SP48885	KOR	B	265	440	35	L	0.1840	0.010	0.768	0.0119	0.0050	0.025	0.009	0.028	0.008	0.000	0.002	0.025
12.73x1219xC	HPQ162390	1	21,090 (kg) 46,495 (lb)	SP48885	KOR	B	265	440	35	L	0.1840	0.010	0.768	0.0119	0.0050	0.025	0.009	0.028	0.008	0.000	0.002	0.026
12.73x1219xC	HPQ162430	1	21,110 (kg) 46,539 (lb)	SP48885	KOR	B	265	440	35	L	0.1840	0.010	0.768	0.0119	0.0050	0.025	0.009	0.028	0.008	0.000	0.002	0.025
12.73x1219xC	HPQ162360	1	20,210 (kg) 44,555 (lb)	SP48888	KOR	B	260	437	37	L	0.1822	0.011	0.738	0.0116	0.0055	0.022	0.010	0.031	0.003	0.001	0.000	0.025
12.73x1219xC	HPQ162400	1	21,200 (kg) 46,737 (lb)	SP48888	KOR	B	260	437	37	L	0.1822	0.011	0.738	0.0117	0.0055	0.022	0.010	0.031	0.003	0.001	0.000	0.025
12.73x1219xC	HPQ162420	1	21,140 (kg) 46,605 (lb)	SP48888	KOR	B	260	437	37	L	0.1822	0.011	0.738	0.0116	0.0055	0.022	0.010	0.031	0.003	0.001	0.000	0.025
12.73x1219xC	HPQ162330	1	20,170 (kg) 44,467 (lb)	SP48888	KOR	B	256	435	40	L	0.1822	0.011	0.738	0.0116	0.0055	0.022	0.010	0.031	0.003	0.001	0.000	0.025
12.73x1219xC	HPQ162340	1	21,130 (kg) 46,583 (lb)	SP48888	KOR	B	256	435	40	L	0.1822	0.011	0.738	0.0116	0.0055	0.022	0.010	0.031	0.003	0.001	0.000	0.025

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

*P.O. # P0243369-06
 1/2" 48 x 96
 HEAT # SP48885*

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 :

Park, Junyoung