

Certificate No. : 230422-FH01KS-0021A1-0007
Date of Issue : May., 02, 2023

Mill Test Certificate



Order No. : 01S6033795

Supplier : POSCO INTERNATIONAL CORPORATION

PO No. : 2304-25.770 (25.770)

Commodity : HR COIL

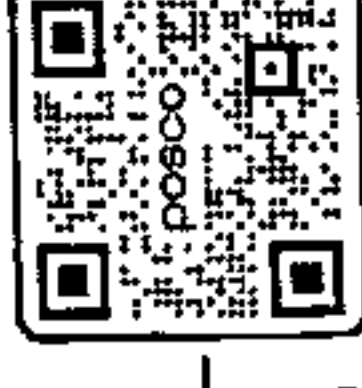
Spec & Type : ASTM A1011-CS-B

Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test		Division	Chemical Composition																
							YP (MPa)	TS (MPa)		EL (%)	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	B (ppm)	Cu (%)	Mo (%)	N (ppm)	Nb (%)	Ti (%)	V (%)	Sol-Al (%)	
3.39x1829xC	HTQ092570	1	18,590	SJ99537	KOR	B	228	352	40	L	0.0441	0.004	0.202	0.0105	0.0032	0.020	0.007	1	0.012	0.002	40	0.000	0.0001	0.000	0.035	
3.39x1829xC	HTQ092580	1	40,983	SJ99537	KOR	B	228	352	40	L	0.0441	0.004	0.202	0.0105	0.0032	0.020	0.007	1	0.012	0.002	40	0.000	0.0001	0.000	0.035	
3.39x1829xC	HTQ092560	1	20,430	SJ99537	KOR	B	220	343	41	L	0.0441	0.004	0.202	0.0105	0.0032	0.020	0.007	1	0.012	0.002	40	0.000	0.0001	0.000	0.035	
3.39x1829xC	HTQ092630	1	45,040	SJ99537	KOR	B	220	343	41	L	0.0441	0.004	0.202	0.0105	0.0032	0.020	0.007	1	0.012	0.002	40	0.000	0.0001	0.000	0.035	
3.39x1829xC	HTQ092790	1	45,150	SJ99537	KOR	B	218	345	41	L	0.0389	0.006	0.204	0.0102	0.0035	0.016	0.003	1	0.012	0.001	36	0.000	0.0004	0.000	0.033	
3.39x1829xC	HTQ092780	1	45,481	SJ99538	KOR	B	227	350	39	L	0.0403	0.008	0.201	0.0114	0.0041	0.018	0.012	0	0.017	0.005	35	0.000	0.0013	0.000	0.037	
*** Sub Total (130) ***		6	119,910 (kg)	264,353 (lb)																						
*** Grade Total ***		74	1,485,810 (kg)	3,275,600 (lb)																						

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

P.O. # P0242539-08
1084 72 x 120
HEAT # 3499537

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