



Mill Test Certificate

Certificate No. : 230422-FH01KS-0021A1-0005
Date of Issue : May., 02, 2023

Order No. : 01S6033795

PO No. : 2304-25.770
(25.770)

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : HR COIL

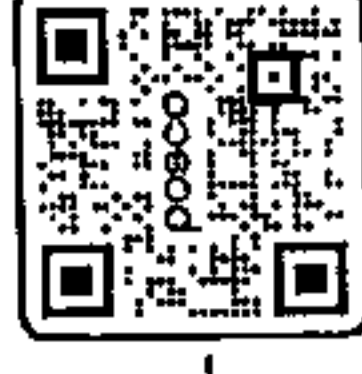
Spec & Type : ASTM A1011-CS-B

| Size | Product No. | Quantity | Weight (kg) (lb) | Heat No. | Country of Melt & Pour | Position | Tensile Test | | Division | Chemical Composition | | | | | | | | | | | | | | |
|-------------------------|-------------|----------|------------------------------|----------|------------------------|----------|--------------|-----------|----------|----------------------|----------|-----------|-----------|----------|----------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|----------|
| | | | | | | | YP (%) | TS (%) | | EL (%) | C (%) | Si (%) | Mn (%) | P (%) | S (%) | Cr (%) | Ni (%) | B (ppm) | Cu (%) | Mo (%) | N (ppm) | Nb (%) | Ti (%) | V (%) |
| 2.98x1524xC | HQR039920 | 1 | 19,560 43,122 | SQ23391 | KOR | B | 212 342 | 41 | L | 0.0370 | 0.007 | 0.203 | 0.0084 | 0.0037 | 0.013 | 0.005 | 0 | 0.011 | 0.002 | 28 | 0.001 | 0.0004 | 0.000 | 0.037 |
| 2.98x1524xC | HQQ116400 | 1 | 20,650 45,525 | SQ23392 | KOR | B | 224 347 | 41 | L | 0.0392 | 0.006 | 0.190 | 0.0106 | 0.0041 | 0.014 | 0.004 | 1 | 0.010 | 0.002 | 23 | 0.000 | 0.0002 | 0.000 | 0.035 |
| 2.98x1524xC | HQR045650 | 1 | 19,710 43,452 | SQ23392 | KOR | B | 224 347 | 41 | L | 0.0392 | 0.006 | 0.190 | 0.0106 | 0.0041 | 0.014 | 0.004 | 1 | 0.010 | 0.002 | 23 | 0.000 | 0.0002 | 0.000 | 0.035 |
| *** Sub Total (090) *** | | 5 | 100,860 (kg) 222,355 (lb) | | | | | | | | | | | | | | | | | | | | | |
| 3.04x1829xC | HTQ092200 | 1 | 19,680 43,386 | SU99541 | KOR | B | 225 358 | 39 | L | 0.0382 | 0.010 | 0.204 | 0.0116 | 0.0030 | 0.026 | 0.023 | 1 | 0.029 | 0.002 | 51 | 0.000 | 0.0002 | 0.000 | 0.024 |
| 3.04x1829xC | HTQ092250 | 1 | 19,400 42,769 | SU99541 | KOR | B | 225 358 | 39 | L | 0.0382 | 0.010 | 0.204 | 0.0116 | 0.0030 | 0.026 | 0.023 | 1 | 0.029 | 0.002 | 51 | 0.000 | 0.0002 | 0.000 | 0.024 |
| *** Sub Total (100) *** | | 2 | 39,080 (kg) 86,155 (lb) | | | | | | | | | | | | | | | | | | | | | |
| 3.37x1219xC | HQQ105100 | 1 | 20,030 44,158 | SQ23224 | KOR | B | 229 342 | 43 | L | 0.0366 | 0.005 | 0.198 | 0.0077 | 0.0050 | 0.012 | 0.006 | 0 | 0.012 | 0.004 | 30 | 0.000 | 0.0009 | 0.000 | 0.020 |
| 3.37x1219xC | HQQ105110 | 1 | 20,500 45,194 | SQ23224 | KOR | B | 229 342 | 43 | L | 0.0366 | 0.005 | 0.198 | 0.0077 | 0.0050 | 0.012 | 0.006 | 0 | 0.012 | 0.004 | 30 | 0.000 | 0.0009 | 0.000 | 0.020 |
| 3.37x1219xC | HQQ106070 | 1 | 20,620 45,459 | SQ23224 | KOR | B | 212 342 | 42 | L | 0.0366 | 0.005 | 0.198 | 0.0077 | 0.0050 | 0.012 | 0.006 | 0 | 0.012 | 0.004 | 30 | 0.000 | 0.0009 | 0.000 | 0.020 |
| 3.37x1219xC | HQQ106080 | 1 | 20,520 45,238 | SQ23224 | KOR | B | 212 342 | 42 | L | 0.0366 | 0.005 | 0.198 | 0.0077 | 0.0050 | 0.012 | 0.006 | 0 | 0.012 | 0.004 | 30 | 0.000 | 0.0009 | 0.000 | 0.020 |
| 3.37x1219xC | HQQ106090 | 1 | 20,090 44,290 | SQ23224 | KOR | B | 212 342 | 42 | L | 0.0366 | 0.005 | 0.198 | 0.0077 | 0.0050 | 0.012 | 0.006 | 0 | 0.012 | 0.004 | 30 | 0.000 | 0.0009 | 0.000 | 0.020 |
| 3.37x1219xC | HQQ152230 | 1 | 20,070 44,246 | SQ24093 | KOR | B | 221 346 | 41 | L | 0.0382 | 0.006 | 0.199 | 0.0089 | 0.0041 | 0.013 | 0.006 | 1 | 0.010 | 0.002 | 38 | 0.000 | 0.0005 | 0.000 | 0.028 |

* 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
 10 SA 48 x 96
 HEAT # SQ 23224

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