



Mill Test Certificate

Certificate No. : 230802-FP01KS-0002A1-0001
Date of Issue : Aug., 18, 2023

Order No. : 01S6210784

Supplier : SEBANG METAL TRADING CO.,LTD

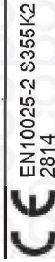
PO No. : D4B0346JUL

Commodity : PRIME HOT ROLLED STEEL PLATE

Customer : .

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 (%) | | | EL (%) | C (%) | Si (%) | Mn (%) | P (%) | S (%) | Cr (%) | Ni (%) | Cu (%) | Mo (%) | N (ppm) | Nb (%) | Ti (%) | V (%) |
| 15.01x2001x6000 | PP39946101-6102 | 2 | 2,830 | SUD6037 | T | 451 | 566 | 29 | L | 0.1536 | 0.201 | 1.544 | 0.0086 | 0.0019 | 0.020 | 0.006 | 0.011 | 0.002 | 34 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | P | 0.1572 | 0.201 | 1.539 | 0.0083 | 0.0018 | 0.020 | 0.008 | 0.012 | 0.002 | 33 | 0.026 | 0.0104 | 0.002 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 15.01x2001x6000 | PP39946104-6105 | 2 | 2,830 | SUD6037 | T | 451 | 566 | 29 | L | 0.1536 | 0.201 | 1.544 | 0.0086 | 0.0019 | 0.020 | 0.006 | 0.011 | 0.002 | 34 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | P | 0.1572 | 0.201 | 1.539 | 0.0083 | 0.0018 | 0.020 | 0.008 | 0.012 | 0.002 | 33 | 0.026 | 0.0104 | 0.002 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 15.01x2001x6000 | PP39946107-6109 | 3 | 4,245 | SUD6037 | T | 451 | 566 | 29 | L | 0.1536 | 0.201 | 1.544 | 0.0086 | 0.0019 | 0.020 | 0.006 | 0.011 | 0.002 | 34 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | P | 0.1572 | 0.201 | 1.539 | 0.0083 | 0.0018 | 0.020 | 0.008 | 0.012 | 0.002 | 33 | 0.026 | 0.0104 | 0.002 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 15.01x2001x6000 | PP39946111-6112 | 2 | 2,830 | SUD6037 | T | 451 | 566 | 29 | L | 0.1536 | 0.201 | 1.544 | 0.0086 | 0.0019 | 0.020 | 0.006 | 0.011 | 0.002 | 34 | 0.027 | 0.0100 | 0.002 | 0.026 |
| | | | | | | | | | P | 0.1572 | 0.201 | 1.539 | 0.0083 | 0.0018 | 0.020 | 0.008 | 0.012 | 0.002 | 33 | 0.026 | 0.0104 | 0.002 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 15.01x2001x6000 | PP39946302 | 1 | 1,415 | SUD6043 | T | 458 | 564 | 29 | L | 0.1495 | 0.196 | 1.536 | 0.0068 | 0.0025 | 0.013 | 0.008 | 0.014 | 0.015 | 38 | 0.026 | 0.0106 | 0.002 | 0.027 |
| | | | | | | | | | P | 0.1560 | 0.200 | 1.543 | 0.0082 | 0.0021 | 0.014 | 0.007 | 0.015 | 0.018 | 35 | 0.026 | 0.0123 | 0.002 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 15.01x2001x6000 | PP39946307 | 1 | 1,415 | SUD6043 | T | 458 | 564 | 29 | L | 0.1495 | 0.196 | 1.536 | 0.0068 | 0.0025 | 0.013 | 0.008 | 0.014 | 0.015 | 38 | 0.026 | 0.0106 | 0.002 | 0.027 |
| | | | | | | | | | P | 0.1560 | 0.200 | 1.543 | 0.0082 | 0.0021 | 0.014 | 0.007 | 0.015 | 0.018 | 35 | 0.026 | 0.0123 | 0.002 | 0.026 |
| | | | | | | | | | | | | | | | | | | | | | | | |



* Position - T : Top, M : Middle, B : Bottom
 * Tensile Test Direction : Transversal, Gauge Length : 5.65 √A_o (Rectangular), YP Method : Upper Point
 * Impact Test Direction : Surface Longitudinal, Full-Size : 10 mmX10 mm
 * Division - L : Ladle Analysis, P : Products Analysis
 * Supply Condition : As-Rolled unless otherwise Heat Treated.

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.



Surveyor To :

Park, Junyoung



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PO No. : D4B0346JUL
Commodity : PRIME HOT ROLLED STEEL PLATE
Spec & Type : EN10025-2 S355K2 NR

| Product No. | Division | Total-AI (%) | CEQ (%) |
|-----------------|----------|----------------|---------|
| PP39946101-6102 | L P | 0.027 0.027 | 0.42 |
| PP39946104-6105 | L P | 0.027 0.027 | 0.42 |
| PP39946107-6109 | L P | 0.027 0.027 | 0.42 |
| PP39946111-6112 | L P | 0.027 0.027 | 0.42 |
| PP39946302 | L P | 0.031 0.027 | 0.41 |
| PP39946307 | L P | 0.031 0.027 | 0.41 |

CE EN10025-2 S355K2
2814

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