

Order No. : 01S6210784

PO No. : D4B0346JUL

Supplier : SEBANG METAL TRADING CO.,LTD

Commodity : PRIME HOT ROLLED STEEL PLATE

Customer : .

Spec &amp; Type : EN10025-2 S355K2 NR

| Size   | Product No.     | Quantity | Weight (kg) | Heat No. | Country of Melt & Pour | Position | Tensile Test |        |        | Impact Test<br>V Notch -20 °C<br>Energy (Joule) | Division  | Chemical Composition |        |        |        |        |        |        |        |        |         |        |        |       |
|--|-----------------|----------|-------------|----------|------------------------|----------|--------------|--------|--------|---|---|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|-------|
|  |                 |          |             |          |                        |          | YP (MPa)     | TS (%) | EL (%) |   |   | C (%)                | Si (%) | Mn (%) | P (%)  | S (%)  | Cr (%) | Ni (%) | Cu (%) | Mo (%) | N (ppm) | Nb (%) | Ti (%) | V (%) |
| 25x2001x6000                                   | PP40613001-3008 | 8        | 18,848      | SU06059  | KOR                    | T        | 405          | 541    | 30     | 1: 282<br>2: 298<br>3: 312<br>A: 298            | L   | 0.1470               | 0.188  | 1.537  | 0.0092 | 0.0017 | 0.015  | 0.012  | 0.012  | 0.002  | 34      | 0.024  | 0.0117 | 0.002 |
|  |                 |          |             |          |                        |          | P            | 0.1509 | 0.188  |   |   | 1.535                | 0.0086 | 0.0018 | 0.017  | 0.012  | 0.016  | 0.002  | 34     | 0.024  | 0.0122  | 0.002  |        |       |
| 25x2001x6000                                   | PP39947405-7408 | 4        | 9,424       | SU06059  | KOR                    | T        | 390          | 526    | 33     | 1: 316<br>2: 325<br>3: 305<br>A: 315            | L   | 0.1470               | 0.188  | 1.537  | 0.0092 | 0.0017 | 0.015  | 0.012  | 0.012  | 0.002  | 34      | 0.024  | 0.0117 | 0.002 |
|  |                 |          |             |          |                        |          | P            | 0.1509 | 0.188  |   |   | 1.535                | 0.0086 | 0.0018 | 0.017  | 0.012  | 0.016  | 0.002  | 34     | 0.024  | 0.0122  | 0.002  |        |       |
| *** Sub Total (070) ***                        |                 | 20       | 47,120 (kg) |          |                        |          |              |        |        |   |   |                      |        |        |        |        |        |        |        |        |         |        |        |       |
| *** Heat Treatment ==> Normalizing;rolling *** |                 |          |             |          |                        |          |              |        |        |   | CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5 |                      |        |        |        |        |        |        |        |        |         |        |        |       |
| 30x2001x6000                                   | PP40207701-7703 | 3        | 8,484       | SU06414  | KOR                    | T        | 395          | 530    | 29     | 1: 318<br>2: 328<br>3: 302<br>A: 316            | L   | 0.1507               | 0.190  | 1.512  | 0.0080 | 0.0018 | 0.017  | 0.009  | 0.012  | 0.003  | 43      | 0.025  | 0.0128 | 0.002 |
|  |                 |          |             |          |                        |          | P            | 0.1552 | 0.194  |   |   | 1.510                | 0.0076 | 0.0017 | 0.015  | 0.009  | 0.012  | 0.003  | 38     | 0.025  | 0.0135  | 0.002  |        |       |
| *** Sub Total (080) ***                        |                 | 3        | 8,484 (kg)  |          |                        |          |              |        |        |   |   |                      |        |        |        |        |        |        |        |        |         |        |        |       |
| *** Heat Treatment ==> Normalizing;rolling *** |                 |          |             |          |                        |          |              |        |        |   | CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5 |                      |        |        |        |        |        |        |        |        |         |        |        |       |
| 12x2450x12000                                  | PP40602603      | 1        | 2,769       | SU06942  | KOR                    | T        | 434          | 560    | 28     | 1: 151<br>2: 110<br>3: 268<br>A: 176            | L   | 0.1499               | 0.183  | 1.531  | 0.0075 | 0.0014 | 0.016  | 0.005  | 0.013  | 0.002  | 42      | 0.023  | 0.0126 | 0.002 |
|  |                 |          |             |          |                        |          | P            | 0.1486 | 0.185  |   |   | 1.533                | 0.0076 | 0.0012 | 0.017  | 0.007  | 0.014  | 0.002  | 41     | 0.024  | 0.0129  | 0.002  |        |       |
| *** Sub Total (130) ***                        |                 | 1        | 2,769 (kg)  |          |                        |          |              |        |        |   |   |                      |        |        |        |        |        |        |        |        |         |        |        |       |

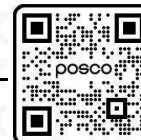
 EN10025-2 S355K2  
2814

- \* Position - T : Top, M : Middle, B : Bottom
- \* Tensile Test. Direction : Transversal, Gauge Length : 5.65 √A<sub>0</sub> (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 :





# Mill Test Certificate

Certificate No. : 230904-FP01KS-0017A1-0002

Date of Issue : Sep., 19, 2023

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Supplier : SEBANG METAL TRADING CO.,LTD

Commodity : PRIME HOT ROLLED STEEL PLATE

Customer : .

Spec & Type : EN10025-2 S355K2 NR

| Product No.   | Division | Sol-Al | Total-Al | CEQ         |  |
|---|----------|--------|----------|-------------|--|
|   |          | (%)    | (%)      | (%)         |  |
| PP40613001-3008                                       | L        | 0.023  | 0.025    | 0.41        |  |
|   | P        | 0.024  | 0.026    |             |  |
| PP39947405-7408                                       | L        | 0.023  | 0.025    | 0.41        |  |
|   | P        | 0.024  | 0.026    |             |  |
| *** Sub Total (070) ***                               |          |        | 20       | 47.120 (kg) |  |
| $CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5$ |          |        |          |             |  |
| PP40207701-7703                                       | L        | 0.026  | 0.028    | 0.41        |  |
|   | P        | 0.029  | 0.030    |             |  |
| *** Sub Total (080) ***                               |          |        | 3        | 8,484 (kg)  |  |
| $CEQ (G) = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5$ |          |        |          |             |  |
| PP40602603  | L        | 0.029  | 0.030    | 0.41        |  |
|   | P        | 0.027  | 0.027    |             |  |
| *** Sub Total (130) ***                               |          |        | 1        | 2,769 (kg)  |  |

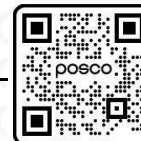
EN10025-2 S355K2  
2814

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This material has been made by vacuum degassing process.  
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Surveyor To :

*Park, Junyoung*



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Spec &amp; Type : EN10025-2 S355K2 NR

|   |   |   |
|---|---|---|
| Product No.   |   | <p align="center"> <b>POSCO Co., Ltd - Gwangyang Works</b><br/>                     20-26, Pokposarang-gil, Gwangyang-si, Jeollanam-do, 57807, Korea<br/> <b>12</b><br/>                     2814/CPR/0038/CPR/M U M/1210003/1                 </p>   |
| PP40613001-3008<br><br>PP39947405-7408<br><br>PP40207701-7703<br><br>PP40602603 | <p align="center"> <b>EN 10025-1:2004</b><br/><br/> <b>Types S355K2</b><br/><br/>                     To be used in construction structural steels<br/><br/>                     Tolerances on dimensions and shape<br/>                     :EN 10029                 </p> | <p> <b>Elongation :</b><br/><br/> <b>Tensile strength :</b><br/><br/> <b>Yield strength :</b><br/>                     : <b>EN10025-2</b><br/><br/> <b>Impact strength :</b><br/><br/> <b>Weldability :</b><br/><br/> <b>Durability :</b><br/><br/>                     Dangerous Substances : No Performance Determined                 </p> |

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

Surveyor To :

*Park, Junyoung*
