| | |
|---|---|
| Contract No. | Z240605625 |
| Customer | HYUNDAI CORPORATION |
| PO No. | F240600397 |
| L/C No. | L05D9240800136 |
| **Commodity** | **H-BEAM** |
| **Specification** | **ASTM A572 G50/A992/CSA G40.21-13 50WM(345WM)** |

# INSPECTION CERTIFICATE

## EN 10204(2004) TYPE 3.1

HYUNDAI STEEL

WWW.HYUNDAI-STEEL.COM PAGE: [ 1 / 1 ]

| | |
|---|---|
| Factory | 63, Jungbong-Daero, Dong-gu, Incheon, S. Korea |
| Certificate No. | IH20240800431-1 |
| Class certificate No. | |
| Issue date | 2024-09-26 |

| Dimensions | Length | Heat No. | Quantity (PCS) | Weight (kg) | Chemical Composition | | | | | | | | | | | | | | | | | | Tensile Test | | | Yield Ratio (3) | BEND TEST | Impact Test(L) | | | | Remarks (Impact Specimen Size) | Country of Melt and Pour |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | C | Si | Mn | P | S | Cu | Ni | Mo | Cr | Al | V | Nb | N | CE(1) | | | | | Tensile Strength | Yield Strength | Elongation (2) | | | V-Notch | | | ℃ | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | AVG | 1 | 2 | 3 | | |
| | | | | | ×100 | | | ×1000 | | ×100 | | | | ×1000 | | | ×10000 | ×100 | | | | | N/mm2 | | % | - | - | - | | | | | |
| 12X6-1/2X26 | 12.00 M | D 183128 | 24 | 11,136 | 15 | 14 | 61 | 21 | 5 | 25 | 9 | 2 | 14 | 4 | 3 | 15 | 110 | 31 | | | | | 536<br>532 | 401<br>392 | 24.7<br>25.2 | 0.749<br>0.737 | | | | | | | KOR |
| **TOTAL** | | | 24 | 11,136 | ====== E N D ====== | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

(1) Ceq: (CE=C+(Cr+V+Mo)/5+(Cu+Ni)/15+Mn/6)
(2) Gauge length : 200 mm
(3) Y.R = Y.S/T.S

Note
Melted and Poured in Republic of Korea
Country of Produce and Process - Republic of Korea
HSCODE(H Section) : 7216.33

**WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER.**

지태운

General Manager of Q.A Team

**This test report can be verified the authenticity to scan the top-right QR code via 'Qreal' mobile app.** 2024.09.26.09:36:27 9201675 HMS I 102(A)-3a A4(210x297)

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