

# 검사증명서

## MILL TEST CERTIFICATE



당진제철소 : 충청 당진시 중앙동 북부산업로 1480  
1480 Bukhuseong-ro, Songguk-Eup, Dangjin-Si, Chungnam, Korea



주문번호  
Order No : F190700141

품명  
Commodity : HOT ROLLED CARBON STEEL PLATE

제품규격  
Specification : ASTM A36

고객사 : HYUNDAI CORPORATION  
주문자 : HYUNDAI CORPORATION  
Contractor :  
증명서 번호 : 20190830-PS-052-020  
Certificate No. :  
발행일자 : 2019-08-30  
Date of Issue :

| 제품사수<br>Direction | 수량<br>Quantity | 중량<br>Weight<br>(Kg) | 재질번호<br>Heat No. | 제품번호<br>Product No. | 인원시험<br>Tensile Test       |       |        |          |        |        |           |        |   |   | 화학성분<br>Chemical Composition(%) |     |     |     |    |    |    |    |    |   | EQR UNI               |    |   |   |    |       |
|-------------------|----------------|----------------------|------------------|---------------------|----------------------------|-------|--------|----------|--------|--------|-----------|--------|---|---|---------------------------------|-----|-----|-----|----|----|----|----|----|---|-----------------------|----|---|---|----|-------|
|                   |                |                      |                  |                     | YP<br>(N/mm <sup>2</sup> ) | TS    | EL (%) | Y-EL (%) | FA (%) | YR (%) | YP<br>Mtd | D<br>% | C | S | Mn                              | P   | S   | Cr  | N  | Cu | Mo | Nb | Ti | V | S <sub>d</sub><br>-AI | DR |   |   |    |       |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55973905          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 17 | 1 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55973905          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 17 | 1 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55973907          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 16 | 0 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55974001          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 17 | 1 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55974002          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 16 | 0 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55974003          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 17 | 1 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55974004          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 16 | 0 | 1                     | 1  | 2 | 1 | 38 | 1.837 |
| 6.35x2438x6035    | 1              | 741                  | R21272           | FB55974005          | T                          | 352.3 | 492.9  | 27       |        |        |           |        | U | L | 1.574                           | 201 | 893 | 150 | 61 | 3  | 3  | 1  | 17 | 1 | 1                     | 1  | 2 | 1 | 38 | 1.837 |

Position - T:Top, M:Middle, B:Bottom  
Tensile test - Direction: Transverse, Gauge length: 200mm (Reclanquidn), YP Mtd : 2 (0.2% of -sel), 5 (0.5% underload), U (Upper yield point), L (Lower yield point)  
Division - P:Product analysis, L:Ladle analysis

The plate is fully killed and fine grained steel. Basic oxygen process and Vacuum degassing process were applied. \* This Mill Test Certificate is issued in accordance with EN 10204 Type 3.1

상기의 제품은 검사외의 결과 지칭된 규격에 합격한 것을 증명합니다.  
WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND THE REQUIREMENTS

Signature  
Chief Of Quality Assurance Team  
**S. B. Park**

\* 본 검사증명서: 원본의 전자증서시스템 정보 포함/무터 출력 시발한다. QR코드의 내용은 원본에서 확인하실 수 있습니다.(http://smhyundai-steel.com/cs/cm/ogn.jsp)  
\* The Mill Test Certificate is a copy that has been printed from original electronic document with digital signing.  
\* You are able to check an original electronic document at hyundai's customer portal.(http://smhyundai-steel.com/cs/cm/ogn.jsp) \* QRcode scanner App : 'Qraai'  
\* [QRcode 스캔시] 본 검사증명서에 열거된 규격 외 지칭된 제품 제조 및 열처리 문제가 발생될 수 있습니다.  
\* [Caution for User] Please do not products and safety problems may arise if used other than to the spec stated in this Mill Test Certificate.