



YESİL MAHALLE SANAYİ BÖLGESİ NO:50 78000 KARABUK, TÜRKİYE

## MILL TEST CERTIFICATE

DATE:

20.02.2023

THE INSPECTION CERTIFICATE AS PER EN 10204 CLAUSE 3.1 CONFORMING TO THE DEFINITION IN EN 10168

REF:

2310375

CUSTOMER:

TO WHOM IT MAY CONCERN

CERTIFICATE NO:

273-2023

COMMODITY:

HOT ROLLED STEEL U CHANNELS

| TEST PIECES NO | HEAT NUMBER: | PRODUCT NAME | SIZE IN MM |       | QUALITY | MECHANICAL PROPERTIES |                 |         |            |                        |                |           | CHEMICAL COMPOSITION |              |                  |      |        |       |       |       |      |       |      |       |        |       |        |       |       |                   |
|----------------|--------------|--------------|------------|-------|---------|-----------------------|-----------------|---------|------------|------------------------|----------------|-----------|----------------------|--------------|------------------|------|--------|-------|-------|-------|------|-------|------|-------|--------|-------|--------|-------|-------|-------------------|
|                |              |              |            |       |         | TENSION TEST          |                 |         |            | CHARPY TEST(1)         |                | BEND TEST | RE-BEND TEST         | FATIGUE TEST | PRODUCT ANALYSIS |      |        |       |       |       |      |       |      |       |        |       |        |       |       |                   |
|                |              |              |            |       |         | YIELD S. (Re)         | TENSILE S. (Rm) | Rm / Re | ELONGATION | TEST PIECES WIDTH (mm) | VALUE (J/OULE) |           |                      |              | C                | Si   | Mn     | P     | S     | Ti    | Cu   | Ni    | Cr   | Mo    | V      | Al    | W      | Nb    | N     | CARBON EQUIVALENT |
| ORIENTATION(2) | N/mm2        | %            | %          | (mm)  |         | %                     | %               | %       | %          | %                      | %              | %         | %                    | %            | %                | %    | %      | %     | %     | %     | %    | (CEV) |      |       |        |       |        |       |       |                   |
| 1              | 2202446      | U CHANNELS   | UPEAA      | 140,0 | S235JR  | 340,7                 | 493,0           | 1,45    | 29,0       | 5                      | 63             |           |                      |              | 0,12             | 0,18 | 0,5126 | 0,012 | 0,037 | 0,004 | 0,10 | 0,04  | 0,04 | 0,003 | 0,0023 | 0,004 | 0,0001 | 0,000 | 0,008 | 0,22              |

MESCIER  
Ş İ R K E T L E R G R U B U



CE NUMBER:2344-CPR-0004

acc. to audit report numbered 17270-09-01/ÇÜ

ISO 9001:2015 Certificate No: QMS 19270-01

ISO 27001:2013 Certificate No: 190801059001

SIRIM (Certified to MS EN 10025-2:2011)

Certification Number: PC000941 / PC000942

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE AND TESTED IN ACCORDANCE WITH ABOVE SPECIFICATION AND THE RESULTS OF ALL TEST ARE ACCEPTANCE

- (1) VALUES ARE FOR KV150 TEST UNDER ROOM TEMPERATURE  
(2) "L" MEANS "LOGITUDINAL" "T" MEANS "TRANSVERSE"  
(3) PRODUCTION, ROLLING TOLERANCE AND ANY OTHER DETAILS ARE AS PER ABOVE REFERENCED CONTRACT

MANUFACTURER