

ROBA METALS B.V
 ZOMERDIJK 27-33
 3402 NL AA IJSSELSTEIN(NL)

INSPECTION CERTIFICATE

Type 3.1 acc. EN 10204

Certificate No : 1000510949

DATE: 10.03.2022

Delivery No : 0085249697

| | | | |
|---------------|-----------------|----------------|---------------|
| Customer | ROBA METALS B.V | | |
| Cust's Ref No | PO-0036357-1 | Cust's Part No | 11600 |
| Our Order No | 1200125397 / 20 | Quantity | 10.700,00 MTR |
| | | Inspection Lot | 020000755365 |

| | | | |
|--------------|--|----|--|
| Designation | CuT m 015,000x1,00x5000 JE HSM R | | |
| according to | EN 12735-1 R250 PED 2014/68/EU & CUSTOMER REQUIREMENTS | | |
| Material | Cu-DHP | | |
| Chem. Anal.: | CU>99,90-P:0,015-0,040 | OK | |

| Characteristic | Unit of meas. | Specifications | Values | Sample No |
|-----------------|--------------------|-----------------|-----------------|-----------|
| ODmin | mm | >=14,910 | 15,000 - 15,010 | 4 |
| ODmax | mm | <=15,090 | 15,040 - 15,050 | 4 |
| ODav | mm | 14,960 - 15,040 | 15,020 - 15,030 | 4 |
| Smin | mm | >=0,870 | 0,910 - 0,920 | 4 |
| Smax | mm | <=1,130 | 0,930 - 0,940 | 4 |
| Sav | mm | 0,918 - 0,937 | 0,920 - 0,930 | 4 |
| LENGTH | mm | <=5008 | 5006 | 4 |
| WGHT/m | kg/m | 0,3604 - 0,3694 | 0,3670 - 0,3671 | 4 |
| Rm | N/mm ² | >=250,0 | 291,0 - 293,9 | 4 |
| A50 | % | >=30,0 | 34,3 - 37,2 | 4 |
| EXPANSION | % | >=30,0 | OK | 4 |
| C TOT. RES. IN. | mg/dm ² | <=0,38 | 0,14 - 0,18 | 4 |
| ECT EN 1971 | % | 100 | OK | - |

DECLARATION OF COMFORMITY

The products detailed above, conform to the conditions and requirements of the purchaser and to the description, quantities and spec. stated. The Quality Assurance System applied to monitor their production, complies with the requirements of ISO 9001:2015, independently certified by TÜV HELLAS, with certification No 041070119.

Athens

15.03.2022

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

FORM N3

ISSUE: C

REV: 2

DATE: DEC. 2017

e-mail: info@halcor.com
 website: www.halcor.com
 VAT number: EL094061318

Offices & Copper Tube Plant (Mailing Address)
 62nd km Athens-Lamia National Road,
 GR-32011 Inofita-Viotia, GREECE
 Tel.: +30 22620 48111, Fax: +30 22620 48911

Foundry
 60th km Athens-Lamia National Road,
 GR-32011 Inofita-Viotia, GREECE
 Tel.: +30 22620 53479, Fax: +30 22620 53925

Domestic Sales Dept
 252 Pireos str.
 GR-17778, Tavros, Athens, GREECE
 Tel.: +30 210 4898111, Fax: +30 210 4898397