

STEELMET ROMANIA S.A.  
 42nd DRUMUL INTRE TARLALE STR.  
 032982 BUCHAREST 3rd SECTOR

**INSPECTION CERTIFICATE**
**Type 3.1 acc. EN 10204**
**Certificate No : 1000445035**
**DATE: 05.08.2020**
**Delivery No : 0085212907**

|               |                              |          |                     |                                    |
|---------------|------------------------------|----------|---------------------|------------------------------------|
| Customer      | <b>STEELMET ROMANIA S.A.</b> |          |                     |                                    |
| Cust's Ref No | <b>0010024453</b>            |          | Cust's Part No      |                                    |
| Our Order No  | <b>1200109519 / 10</b>       | Quantity | <b>5.000,00 MTR</b> | Inspection Lot <b>020000635072</b> |

|              |                                                 |  |    |  |
|--------------|-------------------------------------------------|--|----|--|
| Designation  | <b>CuT m 006,350x0,60x50000 JJHBO XE09-17 R</b> |  |    |  |
| according to | <b>EN 12735-1:2001,R220.</b>                    |  |    |  |
| Material     | <b>Cu-DHP</b>                                   |  |    |  |
| Chem. Anal.: | CU>99,90-P:0,015-0,040                          |  | OK |  |

| Characteristic  | Unit of meas.      | Specifications | Values        | Sample No |
|-----------------|--------------------|----------------|---------------|-----------|
| ODav            | mm                 | 6,310 - 6,390  | 6,335 - 6,350 | 1         |
| Smin            | mm                 | >=0,540        | 0,590         | 1         |
| Smax            | mm                 | <=0,660        | 0,610 - 0,620 | 1         |
| LENGTH          | mm                 | >=50000        | 50000         | 1         |
| OVALITY         | mm                 | <=0,45         | 0,01 - 0,03   | 1         |
| Rm              | N/mm <sup>2</sup>  | >=220,0        | 241,6         | 1         |
| A50             | %                  | >=40,0         | 51,3          | 1         |
| GRAIN           | μm                 | 25 - 35        | 35            | 1         |
| EXPANSION       | %                  | >=30,0         | OK            | 1         |
| C TOT. RES. IN. | mg/dm <sup>2</sup> | <=0,38         | 0,10          | 1         |
| 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

05.08.2020

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)**  
 62<sup>nd</sup> km Athens-Lamia National Road,  
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 Tel.: +30 22620 48111, Fax: +30 22620 48911

**Foundry**  
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 Tel.: +30 22620 53479, Fax: +30 22620 53925

**Domestic Sales Dept**  
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 Tel.: +30 210 4898111, Fax: +30 210 4898397

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 032982 BUCHAREST 3rd SECTOR

**INSPECTION CERTIFICATE**
**Type 3.1 acc. EN 10204**
**Certificate No : 1000421352**
**DATE: 23.01.2020**
**Delivery No : 0085201115**

|               |                              |                |                     |                                    |
|---------------|------------------------------|----------------|---------------------|------------------------------------|
| Customer      | <b>STEELMET ROMANIA S.A.</b> |                |                     |                                    |
| Cust's Ref No | <b>OR 165</b>                | Cust's Part No |                     |                                    |
| Our Order No  | <b>1200103787 / 10</b>       | Quantity       | <b>2.300,00 MTR</b> | Inspection Lot <b>020000595209</b> |

|             |                                          |
|-------------|------------------------------------------|
| Designation | <b>CuT m 010,000x1,00x25000 JH HPO M</b> |
|-------------|------------------------------------------|

|              |                                        |
|--------------|----------------------------------------|
| according to | <b>EN 12735-1 R220 &amp; EN 13348.</b> |
|--------------|----------------------------------------|

|              |                                     |
|--------------|-------------------------------------|
| Material     | <b>Cu-DHP</b>                       |
| Chem. Anal.: | <b>CU&gt;99,90-P:0,015-0,040</b> OK |

| Characteristic  | Unit of meas.      | Specifications | Values | Sample No |
|-----------------|--------------------|----------------|--------|-----------|
| ODav            | mm                 | 9,960 - 10,040 | 10,025 | 1         |
| Smin            | mm                 | >=0,870        | 0,890  | 1         |
| Smax            | mm                 | <=1,130        | 0,920  | 1         |
| LENGTH          | mm                 | >=25000        | 25050  | 1         |
| OVALITY         | mm                 | <=0,70         | 0,15   | 1         |
| Rm              | N/mm <sup>2</sup>  | >=220,0        | 242,0  | 1         |
| A50             | %                  | >=40,0         | 51,6   | 1         |
| EXPANSION       | %                  | >=30,0         | OK     | 1         |
| C TOT. RES. IN. | mg/dm <sup>2</sup> | <=0,20         | 0,07   | 1         |
| ECT EN 1971     | %                  | 100            | OK     | -         |

**DECLARATION OF CONFORMITY**

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

27.01.2020

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

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**INSPECTION CERTIFICATE**
**Type 3.1 acc. EN 10204**
**Certificate No : 1000444792**
**DATE: 30.07.2020**
**Delivery No : 0085212664**

|               |                              |          |                     |                                    |
|---------------|------------------------------|----------|---------------------|------------------------------------|
| Customer      | <b>STEELMET ROMANIA S.A.</b> |          |                     |                                    |
| Cust's Ref No | <b>OR095</b>                 |          | Cust's Part No      |                                    |
| Our Order No  | <b>1200109106 / 30</b>       | Quantity | <b>7.700,00 MTR</b> | Inspection Lot <b>020000631745</b> |

|             |                                                 |
|-------------|-------------------------------------------------|
| Designation | <b>CuT m 012,700x0,64x50000 JJHBO XE09-17 R</b> |
|-------------|-------------------------------------------------|

|              |                              |
|--------------|------------------------------|
| according to | <b>EN 12735-1:2001,R220.</b> |
|--------------|------------------------------|

|              |                                     |
|--------------|-------------------------------------|
| Material     | <b>Cu-DHP</b>                       |
| Chem. Anal.: | <b>CU&gt;99,90-P:0,015-0,040</b> OK |

| Characteristic  | Unit of meas.      | Specifications  | Values          | Sample No |
|-----------------|--------------------|-----------------|-----------------|-----------|
| ODav            | mm                 | 12,660 - 12,740 | 12,700 - 12,710 | 2         |
| Smin            | mm                 | >=0,576         | 0,610 - 0,640   | 2         |
| Smax            | mm                 | <=0,704         | 0,650 - 0,660   | 2         |
| LENGTH          | mm                 | >=50000         | 50000           | 2         |
| OVALITY         | mm                 | <=0,89          | 0,08 - 0,15     | 2         |
| Rm              | N/mm <sup>2</sup>  | >=220,0         | 246,1 - 247,2   | 2         |
| A50             | %                  | >=40,0          | 51,8 - 52,9     | 2         |
| EXPANSION       | %                  | >=30,0          | OK              | 2         |
| C TOT. RES. IN. | mg/dm <sup>2</sup> | <=0,38          | 0,10 - 0,14     | 2         |
| ECT EN 1971     | %                  | 100             | OK              | -         |

**DECLARATION OF COMFORMITY**

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Athens

31.07.2020

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

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**INSPECTION CERTIFICATE**
**Type 3.1 acc. EN 10204**
**Certificate No : 1000459428**
**DATE: 03.12.2020**
**Delivery No : 0085220036**

|               |                              |          |                     |                                    |
|---------------|------------------------------|----------|---------------------|------------------------------------|
| Customer      | <b>STEELMET ROMANIA S.A.</b> |          |                     |                                    |
| Cust's Ref No | <b>OR176</b>                 |          | Cust's Part No      |                                    |
| Our Order No  | <b>1200113253 / 30</b>       | Quantity | <b>1.000,00 MTR</b> | Inspection Lot <b>020000657874</b> |

|             |                                                 |
|-------------|-------------------------------------------------|
| Designation | <b>CuT m 015,875x0,72x25000 JJHBO XE09-17 R</b> |
|-------------|-------------------------------------------------|

|              |                              |
|--------------|------------------------------|
| according to | <b>EN 12735-1:2001,R220.</b> |
|--------------|------------------------------|

|              |                                     |
|--------------|-------------------------------------|
| Material     | <b>Cu-DHP</b>                       |
| Chem. Anal.: | <b>CU&gt;99,90-P:0,015-0,040</b> OK |

| Characteristic  | Unit of meas.      | Specifications  | Values          | Sample No |
|-----------------|--------------------|-----------------|-----------------|-----------|
| ODav            | mm                 | 15,835 - 15,915 | 15,895 - 15,905 | 1         |
| Smin            | mm                 | >=0,648         | 0,680 - 0,710   | 1         |
| Smax            | mm                 | <=0,792         | 0,740 - 0,750   | 1         |
| LENGTH          | mm                 | >=25000         | 25000 - 25100   | 1         |
| OVALITY         | mm                 | <=1,11          | 0,27 - 0,37     | 1         |
| Rm              | N/mm <sup>2</sup>  | >=220,0         | 243,5           | 1         |
| A50             | %                  | >=40,0          | 51,8            | 1         |
| EXPANSION       | %                  | >=30,0          | OK              | 1         |
| C TOT. RES. IN. | mg/dm <sup>2</sup> | <=0,38          | 0,09            | 1         |
| ECT EN 1971     | %                  | 100             | OK              | -         |

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Athens

09.12.2020

Q.C. INSPECTOR

Q.A. MANAGER



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