

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

Designation	CuT m 006,350x0,60x50000 JJHBO XE09-17 R
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according to	EN 12735-1:2001,R220.
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Material	Cu-DHP
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 ²	>=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 ²	<=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)
 62nd km Athens-Lamia National Road,
 GR-32011 Inofita-Viotia, GREECE
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Foundry
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Domestic Sales Dept
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INSPECTION CERTIFICATE
Type 3.1 acc. EN 10204

Certificate No : 1000421352
Delivery No : 0085201115

DATE: 23.01.2020

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

Designation	CuT m 010,000x1,00x25000 JH HPO M		
according to	EN 12735-1 R220 & EN 13348.		
Material	Cu-DHP		
Chem. Anal.:	CU>99,90-P:0,015-0,040		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 ²	>=220,0	242,0	1
A50	%	>=40,0	51,6	1
EXPANSION	%	>=30,0	OK	1
C TOT. RES. IN.	mg/dm ²	<=0,20	0,07	1
ECT EN 1971	%	100	OK	-

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Athens

27.01.2020

Q.C. INSPECTOR

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

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

Designation	CuT m 012,700x0,64x50000 JJHBO XE09-17 R		
according to	EN 12735-1:2001,R220.		
Material	Cu-DHP		
Chem. Anal.:	CU>99,90-P:0,015-0,040	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 ²	>=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 ²	<=0,38	0,10 - 0,14	2
ECT EN 1971	%	100	OK	-

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

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

Designation	CuT m 015,875x0,72x25000 JJHBO XE09-17 R		
according to	EN 12735-1:2001,R220.		
Material	Cu-DHP		
Chem. Anal.:	CU>99,90-P:0,015-0,040	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 ²	>=220,0	243,5	1
A50	%	>=40,0	51,8	1
EXPANSION	%	>=30,0	OK	1
C TOT. RES. IN.	mg/dm ²	<=0,38	0,09	1
ECT EN 1971	%	100	OK	-

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09.12.2020

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