

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

**INSPECTION CERTIFICATE**  
**Type 3.1 acc. EN 10204**

**Certificate No : 1000420396**  
**Delivery No : 0085200684**

**DATE: 16.01.2020**

Customer	ROBA METALS B.V		
Cust's Ref No	PO-00238232-1/2nd	Cust's Part No	11100
Our Order No	1200103700 / 20	Quantity	6.324,60 MTR
		Inspection Lot	020000595206

Designation	CuT m 015,875x0,89x15240 JE HPO R		
according to	EN 12735-1 R220 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
ODav	mm	15,835 - 15,915	15,895 - 15,900	3
Smin	mm	>=0,801	0,810	3
Smax	mm	<=0,979	0,850 - 0,860	3
Sav	mm	<=0,830	0,830	3
LENGTH	mm	15240 - 15340	15290 - 15320	3
WGHT/m	kg/m	<=0,3500	0,3493	3
OVALITY	mm	<=1,11	0,25 - 0,28	3
Rm	N/mm <sup>2</sup>	>=220,0	248,9 - 250,9	3
A50	%	>=40,0	49,3 - 51,5	3
EXPANSION	%	>=30,0	OK	3
C TOT. RES. IN.	mg/dm <sup>2</sup>	<=0,38	0,07 - 0,12	3
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

18.01.2020

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,  
 GR-32011 Inofita-Viotia, GREECE  
 Tel.: +30 22620 48111, Fax: +30 22620 48911

**Foundry**  
 60<sup>th</sup> 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