

ROBA METALS GENK  
SLINGERWEG 31  
3600 GENK

## INSPECTION CERTIFICATE

Type 3.1 acc. EN 10204

Certificate No : 1000542412

DATE: 27.12.2022

Delivery No : 0085268039

Customer	ROBA METALS B.V		
Cust's Ref No	PO-0042913-1	Cust's Part No	11581
Our Order No	1200136599 / 30	Quantity	13.750,00 MTR
		Inspection Lot	020000804297

Designation **CuT m 012,000x1,00x5000 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	>=11,910	11,980 - 11,990	5
ODmax	mm	<=12,090	11,990 - 12,000	5
ODav	mm	11,960 - 12,040	11,985 - 11,995	5
Smin	mm	>=0,870	0,900 - 0,910	5
Smax	mm	<=1,130	0,940 - 0,950	5
Sav	mm	0,918 - 0,938	0,925	5
LENGTH	mm	5000 - 5008	5006	5
WGHT/m	kg/m	0,2834 - 0,2910	0,2889 - 0,2890	5
Rm	N/mm <sup>2</sup>	>=250,0	297,0 - 301,2	5
A50	%	>=30,0	41,2 - 43,	5
EXPANSION	%	>=30,0	OK	5
C TOT. RES. IN.	mg/dm <sup>2</sup>	<=0,38	0,16 - 0,22	5
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

28.12.2022

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

FORM N3

ISSUE: C

REV: 2

DATE: DEC. 2017



### COPPER @ ALLOYS EXTRUSION DIVISION:

S.A. Register No: 2836/06/B/86/48 Ministry of Economy and Development  
General Commercial Registry No: 303401000  
VAT No: EL 094061318 Athens S.A. Companies Tax Office  
Registered Office: 2-4 Mesogeion Avenue, Athens Tower  
2nd Building, Athens GR 11527, Greece  
[www.elvalhalcor.com](http://www.elvalhalcor.com)

**Offices @ Copper Tubes Plant**  
(Mailing Address)  
62nd km Athens-Lamia National Road  
Oinofyta - Viotia, GR 32011, Greece  
Tel.: +30 22620 48111  
Fax: +30 22620 48910  
[www.halcor.com](http://www.halcor.com)

**Brass Rods @ Tubes Plant**  
(Mailing Address)  
59th km Athens-Lamia National Road  
Oinofyta - Viotia, GR 32011, Greece  
Tel.: +30 22620 53120

**Foundry**  
60th km Athens-Lamia National Road  
Oinofyta - Viotia, GR 32011, Greece  
Tel.: +30 22620 53011  
**Domestic Sales Dept**  
Peripheral Unit of West Attica  
Municipality of Aspropyrgos  
Prari position-Moustaki  
Industrial Park Area VIPA VIOPA EM