

ROBA METALS GENK  
SLINGERWEG 31  
3600 GENK

## INSPECTION CERTIFICATE

Type 3.1 acc. EN 10204

Certificate No : 1000518383

DATE: 11.05.2022

Delivery No : 0085254117

Customer	ROBA METALS B.V		
Cust's Ref No	PO-0038877-2	Cust's Part No	19280
Our Order No	1200130076 / 20	Quantity	2.300,00 MTR
		Inspection Lot	020000766339

Designation **CuT m 022,225x1,50x5000 JJ ASO D R**

according to **EN 12735-1 R300 & tube properties to VdTÜV567 requirements**

Material **CuFe2P**  
Chem. Anal.: **FE:2,1-2,6-P:0,015-0,150-PB<0,03-ZN:0,050-0,200-OTHERS TOTAL<0,200-CU:REM. OK**

Characteristic	Unit of meas.	Specifications	Values	Sample No
ODmin	mm	>=22,125	22,170 - 22,180	2
ODmax	mm	<=22,325	22,200 - 22,210	2
ODav	mm	22,175 - 22,275	22,190	2
Smin	mm	>=1,410	1,480 - 1,500	2
Smax	mm	<=1,590	1,530 - 1,550	2
LENGTH	mm	>=5000	5007	2
STRAIGHTNS	mm/m	<=4,0	4,0	2
Rm	N/mm <sup>2</sup>	>=300,0	330,0 - 332,0	2
Rp0,2	N/mm <sup>2</sup>	140,0 - 250,0	147,4 - 151,2	2
Rp1	N/mm <sup>2</sup>	>=160,0	170,4 - 192,5	2
A	%	>=30,0	35,3 - 37,8	2
C TOT. RES. IN.	mg/dm <sup>2</sup>	<=0,38	0,05 - 0,10	2
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

16.05.2022

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)  
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Tel.: +30 22620 48111  
Fax: +30 22620 48910  
[www.halcor.com](http://www.halcor.com)

**Brass Rods & Tubes Plant**  
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59th km Athens-Lamia National Road  
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Tel.: +30 22620 53120

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