

ROBA METALS GENK
SLINGERWEG 31
3600 GENK

INSPECTION CERTIFICATE

Type 3.1 acc. EN 10204

Certificate No : 1000566561

DATE: 30.08.2023

Delivery No : 0085282918

Customer	ROBA METALS B.V		
Cust's Ref No	PO-0046990-1	Cust's Part No	19360
Our Order No	1200143378 / 20	Quantity	230,00 MTR
		Inspection Lot	020000844421

Designation	CuT m 053,975x3,55x5000 JJ ASO D R
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according to	EN 12735-1,R300 & tube properties to VdTÜV567 requirements
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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	>=53,865	54,000	2
ODmax	mm	<=54,085	54,030	2
ODav	mm	53,915 - 54,035	54,015	2
Smin	mm	>=3,337	3,470	2
Smax	mm	<=3,760	3,600	2
LENGTH	mm	>=5000	5005	2
STRAIGHTNS	mm/m	<=4,0	0,6	2
Rm	N/mm ²	>=300,0	339,0 - 343,8	2
Rp0,2	N/mm ²	140,0 - 250,0	162,0 - 169,2	2
Rp1	N/mm ²	>=160,0	213,0 - 219,8	2
A	%	>=30,0	39,0 - 42,6	2
C TOT. RES. IN.	mg/dm ²	<=0,38	0,06 - 0,12	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

02.09.2023

Q.C. INSPECTOR

Q.A. MANAGER



D. SKARMOUTSOS

Tube Plant

WI 8.2.17_Form 8, Rev.: 0

Date March 2023

ELVALHALCOR HELLENIC COPPER & ALUMINIUM INDUSTRY S.A.
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