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Inspection Certificate DIN EN 10204-3.1



Client:
FERONA a.s.
Polygrafická 3/ 262
10833 Praha
CZ

**MKM Mansfelder Kupfer und
Messing GmbH**
Lichtlöcherberg 40
06333 Hettstedt / Germany
phone: +493476892496
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Date	03.05.2019
Contract No. /Item	239841 / 4
Product Number of Customer	9G0056C
Customer Number	117304
Order No.	644494/PRG
Production No.	644511
Product Number	C1211-4ST01-VM
Product	Flatbar (square corners)
Material	Cu-ETP EN13601 / 2013
Dimension	30 mm X 5 mm X 4000 mm
Norm	EN13601/2013
Terms Of Delivery	EN13601/2013
	30mm: -0,15mm/0,15mm
	5mm: -0,07mm/0,07mm
	Ch/Btch:
Temper	R250 EN13601/2013

Weight Total

Net weight: 524,00 kg

Properties

Inspection Lot	40000549600
Sample	2019042163
Batch	Z03916
Tensile strength min 250,0 N/qmm	252,4
Elongation by fracture A min 12,0 %	37,5
Yield point Rp0,2 min 200,0 N/qmm	233,7
El. conductivity min 58,0 MS/m	59,0

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Production No. 644511



Inspection Lot	40000549600
Sample	2019042163
Batch	Z03916

Cu min 99,900 %	99,997
Ag max 0,01500 %	0,00166
O2 max 0,04000 %	0,00018
Bi max 0,00050 %	0,00002
Pb max 0,00500 %	0,00016

The dimensional and shapetolerances conform to the requirements. We hereby certify that the material described above has been tested and complies with the terms of the order contract.

This certification report is machinemade.
It is authorized by the undersigned person.

MKM Mansfelder Kupfer und Messing GmbH Hettstedt
Ch. Moses
Inspection Manager