

## test certificate DIN EN 10204-2.2

Iberian Coppers S.A.  
Avenida Dr. Francisco Sanches, 22  
Tuido, Gandra  
Portugal

Fatura Nº 17002412

V/Encomenda:

Date	18.01.2017
Contract No. /Item	468903 / 1
Product Number of Customer	03160599990003
Customer Number	117406
Order No.	11-1538
Production No.	506624
Product Number	12135260-062009522
Product	HETCOOL Coils R220 3/8" x 21swg 30m
Material	CU-DHP (SF-CU)
Dimension	9,525 mm * 0,813 mm * 30 m
Norm	EN 12735-1(07.2010)

### Weight Total

Net weight: 1746,26 kg

### Properties

<b>Inspection Lot</b>	<b>40000373244</b>
<b>Sample</b>	<b>2016121666</b>
<b>Mark</b>	<b>1</b>
<b>Internal carbon content</b> max 0,200 mg/dm2	0,122
<b>Tensile strength</b> min 220 N/qmm	239
<b>Elongation by fracture A</b> min 40 %	55
<b>Yield point Rp0,2</b> N/qmm	88
<b>Eddy current testing</b>	OK
<b>Cu</b> min 99,90 %	99,90
<b>P</b> 0,0150 - 0,0400 %	0,0233

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.