

ROBA METALS B.V
ZOMERDIJK 27-33
3402 NL AA IJSSELSTEIN(NL)

TEST REPORT / DECLARATION OF CONFORMITY
EN 10204-3.1

Certificate No : 1000148467
Delivery No : 0085063673

DATE: 31.08.2011

CUSTOMER	ROBA METALS B.V		
CUSTOMER'S REF No	1.6.1989.21 / 39th call off		CUSTOMER'S PART No 879214
OUR ORDER No	1200045171 / 1	QUANT 2.175.00 KG	INSPECTION LOT 020000139015

DESIGNATION	COPPER TUBES 022.225x0.81x5000 STRAIGHT FOR REFRIGERATION USE.	
ACCORDING TO	EN 12735-1 R250 PED 97/23 & CUSTOMER REQUIREMENTS.	MATERIAL: DHP Cu

Characteristic	Unit of meas.	Specifications	Values
LENGTH	mm	5000 - 5008	5004
CHEM ANAL (%)			Cu>99,90 P:0,015-0,040
Rp	N/mm2		
Rm	N/mm2	≥250,0	275,0
A50mm	%	≥30,0	38,0 - 40,6
RAIN	µm		
HV	Vickers		91
C.TOT.RES.IN	mg/dm2	≤0,38	0,07
FC TEST			100%
ODmax	mm	≤22,325	22,280 - 22,290
ODmin	mm	≥22,125	22,220
ODav	mm	22,175 - 22,275	22,250 - 22,255
Smax	mm	≤0,891	0,760
Smin	mm	≥0,729	0,730
Sav	mm	0,746 - 0,762	0,750

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 to the requirements of ISO 9001/2008, independently certified by TÜV HELLAS, with registration No 041070119.

Athens

31.08.2011

Q.A.MANAGER

D. SKARMOUTSOS

ISSUE B

REV 0

DATE SEP-2007

FORM N3

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Ministry of Development
Directorate General of Taxation
Directorate of Companies
Registration and Identification
website: www.efka.gr

Registered Seat:
Athens Tower - 2nd Building
2-4 Mesogeion Ave, Athens
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Headquarters & Copper Tube Plant
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