

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

TEST REPORT / DECLARATION OF CONFORMITY
EN 10204-3.1

Certificate No : **1000166514**
Delivery No : **0085073811**

DATE: 02.07.2012

Customer	ROBA METALS B.V				
Cust's Ref No	HFCU 22052012		Cust's Part No		
Our Order No	1200049222 / 1	Quantity	1.999,00 KG	Inspection Lot	020000174065

Designation	COPPER TUBES 025,400x1,14x5000 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	5005
CHEM.ANAL. (%)			Cu>99,90 P:0,015-0,040
Rp0,2	N/mm ²		
Rm	N/mm ²	>=250,0	284,0
A	%	>=30,0	36,0
GRAIN	µm		15
HV	Vickers		97
C TOT. RES. IN	mg/dm ²	<=0,38	0,12
ECT EN 1971			100%
ODmax	mm	<=25,500	25,430 - 25,440
ODmin	mm	>=25,300	25,380 - 25,390
ODav	mm	25,350 - 25,450	25,410
IDmax	mm		
IDmin	mm		
IDav	mm		
Smax	mm	<=1,311	1,100
Smin	mm	>=0,969	1,030
Sav	mm	1,057 - 1,080	1,065

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

02.07.2012

Q.A.MANAGER

D. SKARMOUTSOS

ISSUE B

REV 0

DATE SEP-2007

FORM N3

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