

Parasmani Tubes Pvt. Ltd.



Mfgs. of: AIRCONDITION & REFRIGERATION COPPER TUBES & FITTINGS

MILL TEST CERTIFICATE

Customer :		T.C No .	12532	Date				
		Inv .No		Date				
		P.O No						
		P.O Date						
Material :	Copper Tube (Seamless) PTP K –SERIES		Size :	5/8" OD X 1.0mmThk. X 10FT				
Specification :	JIS-H3300-C-1220T-1/2Hard		Qty :					
<u>Chemical Report :</u>								
Elem %	Cu	P	Pb	Sn	As	Fe	Zn	
Specified	99.90 Min	0.015- 0.040	NIL	NIL	NIL	NIL	NIL	
Observed	99.921	0.028	NIL	NIL	NIL	NIL	NIL	
Observed	99.919	0.031	NIL	NIL	NIL	NIL	NIL	
Observed	99.922	0.028	NIL	NIL	NIL	NIL	NIL	
<u>Dimensional Report :</u>								
	OD		ID		W.T		LENGTH	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
REQUIRED	15.80mm	15.96mm	-	-	0.85mm	1.15mm	15240mm	15300mm
OBSERVED	15.85mm	15.88mm	-	-	0.97mm	1.01mm	OK	-
<u>Mechanical Properties / Other tests</u>								
Parameter					Specified		Observed	
U.T.S N/mm ²					245 to 325		289	#
Y.S at 0.5 % El. N/mm ²					N.A.		----	----
% Elong at 5.56* sq. Rt .A					N.A.		----	----
Hardness Rockwall 30T					30 to 60		52	51
Flaring Test (60* pin)					N.A.		----	----
Flattening Test					N.A.		----	----
Eddy Current test as per ASTM-E243 (Drill hole 0.6mm)					100% Regd.		100% Satisfactory	
Grain Size 75x					N.A.		----	----
For PARASMANI TUBES PVT. LTD.								
Q.C .Incharge								

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MILL TEST CERTIFICATE

Customer :				T.C No.	12532	Date		
				Inv .No		Date		
				P.O No				
				P.O Date				
Material :	Copper Tube (Seamless) PTP K - SERIES			Size :	5/8" OD X 1.0mmThk.X 50 FT			
Specification :	JIS-H3300-C-1220T- O Annealed			Qty :				
<u>Chemical Report :</u>								
Elem %	Cu	Sn	Pb	P	As	Fe	Zn	
Specified	99.90 Min	NIL	NIL	0.015- 0.040	NIL	NIL	NIL	
Observed	99.921	NIL	NIL	0.028	NIL	NIL	NIL	
Observed	99.919	NIL	NIL	0.031	NIL	NIL	NIL	
Observed	99.922	NIL	NIL	0.028	NIL	NIL	NIL	
<u>Dimensional Report :</u>								
	OD		ID		W.T		LENGTH	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN MAX	
REQUIRED	15.80mm	15.96mm	-	-	0.85mm	1.15mm	15240mm 15300mm	
OBSERVED	15.85mm	15.88mm	-	-	0.97mm	1.01mm	OK -	
<u>Mechanical Properties / Other tests</u>								
Parameter					Specified		Observed	
U.T.S N/mm²					205 Min		239	243
Y.S at 0.5 % El. N/mm²					----		----	----
% Elong at 5.56* sq . Rt .A					40 Min		47	48
Hardness Rockwall 15T					60 Max		47	49
Flaring Test (60* pin)					40% Required		Passes	Passes
Flattening Test					3T Required		Passes	Passes
Eddy Current test as per ASTM-E243 (Drill hole 0.6mm)					100% Reqd.		100% Satisfactory	
Grain Size 75x					0.040 Max		0.035	
For PARASMANI TUBES PVT. LTD.								
Q.C .Incharge								