TECHNICAL SPECIFICATION COPPER TUBES

Standerd	JIS H3300	ASTM B-68	BS 2871 PART 3	DIN 1785	IS 2501	BS 2871 PART 2	IS 2501
Symbol	C 1220	C12200	C 106	SfCu 25	DHP IS 191 PART VIII	C 101	ETP COPPER
Cu	99.00 Min	99.00 Min	99.85 Min	99.09 Min	99.08 Min	99.90** Min	99.90** Min
Sn	-	-	-	-	0.01	-	-
Pb	-	-	0.01	-	0.01	0.005	0.005
Ni	-	-	-	-	0.01	-	-
Fe	-	-	0.03	-	0.03	-	-
As	-	-	0.05	-	0.05	-	-
P	0.15-0.40	0.015- .040	0.013- .050	.015 - .040	0.015 – 0.10	-	-
Total Impurites Max.	-	-	0.06*	-	0.06	0.03*	0.03*
Condition	0 1/2H H	050 – 060	M1/2H O	F 25	O D	O M	O D
Yield Strangth N/mm2	-	-	-	150-240	-	-	-
Tensil N/mm2	206 Min. 245-324 314 Max.	-	-	250 Min	22 Kg/mm 2 min 28 Min Kg/mm2	200 – 250 Min. 270 Min.	201 Min. 265 Min.
Elongation %	40 % Min.	-	-	30 % Min.	40 %	40 % Min.	40 % Min.
Hardness HV 5	-	-	105 Min 80-100 60 Max	-	-	100 Max 60 Max	-
Grain Size Mm (75X)	0.25-0.06	0.015 – 0040 0.040 Min	0.05 Max	-	-	-	-

Excluding Silver , Arsenic or Copper

GUIDE TO THE SELECTION OF TUBES MATERIAL :

- Dissolved salt less than 500 ppm
- Chloride less than 10 ppm

- H2S & Ammonia nil.
- Organic Fats Nil
- Suspended Solid Less than 5 PPM Premissible.