

Copper Reference Materials

Chemical analysis			Certified Value (%)									
Copper No.	Description	Form (Unit size)	Cu	P	Pb	Fe	Sn	Al	Ni	Mn	Be	Cd
C1220	Phosphorus-deoxidized copper	Plate : 8 pieces (100g)	99.939	0.0211	0.00071	0.00202						
C1720	copper-beryllium alloys	Plate : 3 pieces (65g)	97.712			0.0343					1.894	
C2600	Brass Type-1	Plate : 8 pieces (100g)	69.893		0.00395	0.00592	0.00125					
C2801	Brass Type-3	Plate : 8 pieces (100g)	60.483		0.0093	0.0114						
C3604	Free-cutting brass Type-2	Chips (120g)	58.680		3.122	0.234	0.249					
C3713	Free-cutting brass Type-13	Plate: 8 pieces (100g)	59.633		1.211	0.024	0.009					
C4621	Naval brass Type-1	Plate: 8 pieces (100g)	62.163		0.00664	0.0101	1.002					
C5191	Phosphor bronze Type-2	Plate: 5 pieces (65g)	93.62	0.127			6.23					
C6191	Aluminium bronze Type-2	Chips (100g)	83.472			4.113		10.243	1.079	0.918		
C6782	High strength brass Type-2	Chips (100g)	59.08		0.218	0.308		0.514		0.940		
C6871	Brass for condenser Type-2	Plate: 6 pieces (90g)	78.081		0.001	0.0077		2.036				
C7701	Nickel silver for spring	Plate: 5 pieces (50g)	55.010		0.00276	0.0105			17.933	0.256		

•Plate size: 80mm x 50mm x 0.3mm

Instrumental analysis			Certified Value (%)										
Sample No.	Copper No.	Description	Form (Unit size)	Cu	P	Pb	Fe	Sn	Al	Ni	Mn	Be	Cd
BS-12A	C2600	Brass Type-1	Disc: 6pcs set Set sale only Disc size: 42mm φ x 20mm h	70.72		0.0015	0.0066						
BS-23B	C2700	Brass Type-2		65.34		0.0011	0.0120						
BS-25B	C2700	Brass Type-2		65.72		0.0054	0.0098						
BS-26B	C2720	Brass Type-2B		63.28		0.0095	0.0291						
BS-32C	C2800	Brass Type-3		61.67		0.0046	0.0055						
BS-33C	C2800	Brass Type-3		59.48		0.0043	0.0036						
BS-4D	C3601	Free-cutting brass Type-S1	Disc: 4pcs set Set sale only	60.78		2.29	0.0072	0.026					0.0015
BS-5D	C3605	Free-cutting brass		58.00		3.95	0.178	0.275					0.0082
BS-6D	C3712	Forging brass Type-1		59.57		0.50	0.146	0.189					0.0047
BS-7D	C3771	Forging brass Type-2		59.28		1.79	0.141	0.226					0.011