

Material Certificate

We hereby officially stated that all our products were made of brass raw material which is complied with standard CW617N.

Material specification:

Cu	Pb	Sn	Zn	Fe	Si	Mn	Ni	Al	Sb	P	S
57-59	1.6-2.5	≤0.3	Others	≤0.3	/	/	≤0.3	≤0.5	/	/	/

Inspection Result:

No	Zn %	Pb %	Sn %	P %	Mn %	Fe %	Ni %	Si %	Mg %	Cr %
1	39.40	2.12	0.287	0.0032	0.0048	0.294	0.114	0.0094	0.0014	0.0029
2	38.75	2.12	0.285	0.0025	0.0025	0.285	0.108	0.0077	0.0014	0.0018
3	39.07	2.33	0.272	0.0024	0.0025	0.249	0.102	0.0075	0.0013	0.0018
4	38.44	1.98	0.289	0.0025	0.0027	0.290	0.103	0.0070	0.0013	0.0012
5	38.73	1.45	0.280	0.0025	0.0028	0.279	0.102	0.0069	0.0013	0.0021
6	38.19	2.13	0.271	0.0035	0.0045	0.285	0.121	0.011	0.0014	0.0023
7	38.84	2.07	0.278	0.0038	0.0016	0.288	0.107	0.0088	0.0014	0.0012
8	38.88	2.14	0.300	0.0021	-0.0005	0.287	0.157	0.0044	0.0013	0.0010
9	38.70	2.02	0.295	0.0028	0.0015	0.294	0.111	0.0063	0.0013	0.0013

No	As %	Sb %	Bi %	Co %	Al %	S %	Cu %
1	0.018	0.015	0.0094	<0.0015	0.035	0.0018	57.7060
2	0.020	0.014	0.018	<0.0015	0.013	0.0017	58.3909
3	0.019	0.015	0.017	<0.0015	0.024	0.0018	57.8791
4	0.020	0.030	0.0060	<0.0015	0.018	0.0023	58.9203
5	0.018	0.016	0.0060	<0.0015	0.012	0.0022	58.1240
6	0.025	0.016	0.015	<0.0015	0.026	0.0018	57.9203
7	0.020	0.019	0.0070	<0.0015	0.014	0.0025	58.3806
8	0.027	0.018	0.0057	<0.0015	-0.0010	0.0023	58.3847
9	0.017	0.016	0.0084	<0.0015	0.010	0.0023	58.5124

Thank you very much

Mans Chu
 AUTHORIZED SIGNATURE