

The analysis ranges and elements of Copper (Cu) base

		Cu-000	Cu-001	Cu-002	Cu-003	Cu-004	Cu-005	Cu-006	Cu-007
No.	Elements	Global Program	Brass	Copper	Al-Cu Alloy	Beryllium Bronze	Sn-Pb-Cu Alloy	Pure Copper	Si-Bronze
1	Zn	0.001-43.0	0.5-43.0	0.01-23.0	0.04-2.2	0.005-0.23	0.003-0.7	0.001-0.3	0.2-6.0
3	Sn	0.001-11.2	0.009-4.8	0.009-0.13	0.003-0.35	0.005-0.18	0.005-11.2	0.001-0.3	0.05-0.7
4	P	0.001-0.42	0.002-0.14	0.003-0.07			0.001-0.42	0.001-0.078	0.005-0.08
5	Mn	0.001-5.3	0.001-5.3	0.009-1.1	0.001-3.1		0.001-0.4	0.001-0.1	0.2-1.8
6	Fe	0.001-6.0	0.02-3.0	0.03-1.03	0.005-6.0	0.02-0.28	0.003-0.028	0.001-0.2	0.1-1.7
7	Ni	0.001-32.5	0.009-1.8	5.5-32.5	0.002-6.0	0.005-0.35	0.001-1.0	0.001-0.5	0.05-1.0
8	Si	0.001-5.0	0.001-4.6	0.009-0.46	0.004-0.3	0.02-0.3	0.002-0.009	0.001-0.055	1.5-5.0
9	Mg	0.001-0.7	0.001-0.01	0.003-0.14		0.003-0.7		0.001-0.01	
10	Cr	0.001-0.2	0.001-0.2					0.001-0.081	
11	As	0.001-0.3	0.001-0.2	0.003-0.05			0.004-0.2	0.005-0.3	
12	Sb	0.001-0.6	0.001-0.4	0.001-0.012			0.001-0.6	0.005-0.3 5	0.005-0.07
13	Ag	0.001-0.06					0.001-0.14	0.006-0.13	
14	Co	0.001-0.1	0.004-0.1				0.001-0.1		
15	Al	0.001-12.9	0.001-6.7		3.0-12.9	0.02-0.2	0.01-0.1		
16	S	0.001-0.15	0.001-0.15	0.004-0.06			0.001-0.14	0.001-0.05	
17	Cu	Reference	Reference	Reference	Reference	Reference	Reference	Reference	Reference

Note:

- (1) The data in this form is based on the actual sample requirement of field and laboratory use.
- (2) *C,P,S,As,B only available on UV Touch probe.
- (3) In case the special material exceeds the detected elements and measurement range, either the manufacturer or the customer can create samples of known composition for internal control.
- (4) Due to the hysteresis of national standard materials, the original standard elements shall be implemented before some grades of materials have new standard materials.