

Chemical Analysis of Copper and Copper Alloys

Test protocol: Optical emission spectrometer, atomic absorption spectrophotometer and wet chemical methods

Type of samples that can be analyzed	Report
Various types of copper	Conformance of the chemical composition as per IS 191:2007
Copper strip for electrical purposes	Conformance of the chemical composition as per IS 191:2007 specified in clause 5.1 of IS 1897:1983 (Reaffirmed 2006)
Hot-rolled electrolytic copper wire rods for electrical conductors	Conformance to the chemical requirements of IS 191:2007 specified in clause 4.1 of IS 9713:1993 (Reaffirmed 1998)
Copper and copper alloys forging stock and forging	Conformance of the chemical composition as per IS 6912:2005
Brass (sheet, strips and foils)	Conformance of the chemical composition as per IS 410:1977 (Reaffirmed 2006)
Brass sheet and strip for the manufacture of utensils	Conformance of the chemical composition as per IS 422:1981 (Reaffirmed 2006)
Brass rods for general engineering purposes	Conformance of the chemical composition as per IS 4170:1967 (Reaffirmed 2006)
Leaded brass (ingots, castings and components)	Conformance of the chemical composition as per IS 292:1983 (Reaffirmed 1998)
Free cutting brass	Conformance of the chemical composition as per IS 319:2007
Leaded tin bronze (ingots, castings and components)	Conformance of the chemical composition as per IS 318:1981 (Reaffirmed 2006)
Solid drawn copper and copper alloy tubes for condensers and heat exchangers	Conformance of the chemical composition as per IS 1545:1994 (Reaffirmed 2006)