

## Chemical Analysis of Aluminium and Aluminium Alloys

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

Type of samples that can be analyzed	Report
Wrought Aluminium and Aluminium Alloys used for the manufacture of Utensils	Conformance of the chemical requirement as per IS 21: 1992 (Reaffirmed 2001)
Aluminium alloy pressure cooker (body, lid, containers, grid)	Conformance of the chemical requirement as per IS 21: 1992 (Reaffirmed 2001)
Wrought aluminium and its alloys drawn tubes for general engineering purposes	Conformance of the chemical requirement as per IS 738: 1994 (Reaffirmed 1999)
Wrought Aluminium and Aluminium Alloy Rivet socket for general engineering purposes	Conformance of the chemical requirement as per IS 740: 1977 (Reaffirmed 2001)
Aluminium and aluminium alloy (ingots and castings) for general engineering purposes	Conformance of the chemical requirement as per IS 617: 1994 (Reaffirmed 1999)
Evaluation of aluminium ingots for re-melting for general engineering purposes	Conformance of purity of the aluminium ingot to IS 2590:1987 (Reaffirmed 2006)
Aluminium ingots, billets and wire bars (EC grade)	Conformance of the chemical requirement as per IS 4026: 2007
Wrought aluminium wire for electrical purposes	Conformance of the chemical composition as per IS 4026:1987 specified in clause 4.1 of IS 2067:1975 (Reaffirmed 2003)
Aluminium alloy tube for irrigation purposes	Conformance to the chemical requirement as per IS 7092-Part 2:1987 (Reaffirmed 2001)