



# BUREAU OF ANALYSED SAMPLES LTD

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## STEEL SETTING-UP SAMPLES for DIRECT-READING SPECTROGRAPHS INFORMATION SHEET

### SAMPLE "C/18" LOW ALLOY STEEL

This sample has been prepared from a special cast of steel, representative sections of which have been thoroughly examined both spectroscopically and chemically to confirm the homogeneity of the bulk sample.

#### APPROXIMATE COMPOSITION

	%		%
Carbon.. ..	0.15	Cobalt .. ..	0.06
Silicon .. ..	0.18	Copper .. ..	0.46
Manganese .. ..	1.2	Nitrogen .. ..	0.005
Phosphorus .. ..	0.07	Niobium .. ..	0.02
Sulphur .. ..	0.06	Tin .. ..	0.06
Chromium .. ..	0.18	Titanium .. ..	0.03
Molybdenum .. ..	0.11	Vanadium .. ..	0.43
Nickel .. ..	3.5	Tungsten .. ..	0.33
Aluminium .. ..	0.05	Zirconium .. ..	0.05
Boron .. ..	0.01	Calcium .. ..	0.001

**NB.: The above figures are NOT CERTIFIED and are supplied only as an approximate guide to the composition of this steel.**

This setting-up sample should not be confused with the Spectroscopic Standard Certified Reference Materials prepared and issued by Bureau of Analysed Samples Ltd.

Note: An area 6 mm in diameter in the centre should be avoided for optical emission spectrometry.

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January 2007