



BUREAU OF ANALYSED SAMPLES LTD

Directors:-

P. D. RIDSDALE, *B.Sc., C.Eng., M.I.M., M.R.S.C., (Chairman)*
R. P. MEERES, *B.A. (Oxon), M.R.S.C., (Managing)*
G. C. FLINTOFT, *A.C.M.A., (Company Secretary)*

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

SAMPLE "C/19" 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	..	..	0.16-	Cobalt	.. .. 0.06-
Silicon..	..	..	0.18-	Copper	.. .. 0.43-
Manganese	..	..	0.77-	Nitrogen	.. .. 0.004
Phosphorus	..	..	0.07-	Niobium	.. .. 0.02-
Sulphur	..	..	0.05-	Tin	.. .. 0.04-
Chromium	..	..	0.19-	Titanium	.. .. 0.04-
Molybdenum	..	..	0.11-	Vanadium	.. .. 0.41-
Nickel	..	..	3.5--	Tungsten	.. .. 0.25-
Aluminium	..	..	0.05-	Zirconium	.. .. 0.03-
Boron ..	..	..	0.008	Calcium	.. .. <0.001

The above figures are only supplied as an approximate guide to the composition and must NOT be regarded as certified values

NB: These samples should not be confused with the Primary 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.*

Newham Hall,
Newby, Middlesbrough
ENGLAND

For BUREAU OF ANALYSED SAMPLES LTD.
R. P. Meeres,
Managing Director

July 2002