

Setting-up sample

Approximate composition of R N 19 / 100, steel low alloy

Sample size approx. 40 mm dia. x 40 mm thickness

Composition:

Description in %

Carbon	1.0	Niobium	>0.4
Silicon	1.0	Lead	0.03
Manganese	1.5	Tin	0.10
Phosphor	0.10	Titanium	0.13
Sulphur	0.10	Vanadium	0.5
Chromium	3.2	Tungsten	0.4
Molybdenum	0.9	Zirconium	0.13
Nickel	3.1	Calcium	<0.001
Aluminium	0.8	Antimony	0.08
Arsenic	0.07	Tantalum	0.3
Boron	0.01	Tellurium	0.07
Cobalt	>0.7	Bismuth	0.02
Copper	0.4	Nitrogen	0.03
Zinc	0.02		

Intended use: routine drift correction for Spark-OES and XRF spectrometers

Supplied and produced by SUS Ulrich Nell

The sample was produced by powder metallurgy

Notes:

- This sample should be used only for checking and correcting the drift of spectrometers
- The concentration values presented are not certified as accurate, as this setting-up sample is not a reference material to be used for calibration
- The material has been checked for homogeneity and is suitable for Spark-OES spectrometers