

SUS

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Setting-up sample

Approximate composition of R N 14 / 64, steel low alloy

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

Composition:

Description in %

Carbon	0.009	Niobium	>0.4
Silicon.....	1.8	Lead	0.01
Manganese.....	0.01	Tin.....	<0.005
Phosphor.....	0.09	Titanium.....	0.1
Sulphur	0.07	Vanadium.....	0.5
Chromium	3.1	Tungsten.....	0.3
Molybdenum	0.5	Zirconium.....	<0.005
Nickel	0.015	Calcium	<0.001
Aluminium.....	0.015	Antimony.....	0.02
Arsenic	0.06	Tantalum	0.2
Boron.....	0.005	Tellurium	0.02
Cobalt.....	0.4	Bismuth	<0.01
Copper	0.7	Nitrogen.....	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

Oberhausen, March 2018