

# CHEMICAL ANALYSIS OF METALLIC MATERIALS

## PRODUCT INFORMATION

### DESCRIPTION AND APPLICATION

Sandvik Materials Technology is a producer of stainless steels, special alloys, titanium and other advanced materials. When analyzing elements in a material both having correct calibration samples and the process of sample preparation are of great importance for accurate results.

Chemical analysis is performed regularly at several different process steps in Sandvik's day-to-day production. We have extensive experience and equipment to analyze a large number of elements in metallic materials.

### METHODS OF ANALYSIS

Our laboratory is equipped with instruments for a variety of analyses. This means that we can analyze a wide range of all metallic materials with very good accuracy. The techniques available at our laboratory are:

- X-ray Fluorescence (XRF)
- Optical Emission Spectroscopy (OES)
- Combustion analyses
- Atomic absorption spectrometry
- Inert gas fusion and infrared absorption spectroscopy

### ACCREDITATION

Several of the test methods are accredited according to SS-EN ISO/IEC 17025. For detailed information regarding the accredited methods please visit:

<http://search.swedac.se/sv/ackrediteringar>



### RESULTS

The results are sent to the customer by mail in pdf-format. If the method is an accredited method the result will be presented in a certificate.

### DELIVERY TIME

Normal delivery time are 2-4 days, from the sample has arrived to Sandvik. If delivery time is critical please don't hesitate to contact us, samples can be prioritized.

### MORE INFORMATION AND CONTACT

Sandvik offers a wide portfolio of stainless services supporting the entire product life cycle. For more information visit our website at <http://smt.sandvik.com/services> or contact us directly at [stainlessservice@sandvik.com](mailto:stainlessservice@sandvik.com)