



Elektrowerk Weisweiler GmbH
Laboratory

INDUSTRIAL INORGANIC CHEMICAL LABORATORY

About Us

Being the production laboratory of a world-leading manufacturer of low carbon ferrochromium – especially for the super alloy industry – we exactly know about the importance of analysis matching special customer requirements.



Since our establishment in 1917, we gain experience related to the analytics of nonferrous metal, additives and foundry products daily. Our business is governed by a large spectrum of inorganic analytics.

Our clients expect fast and in the first instance precise answers. We grant this task with skilled employees, continuously growing know-how and our laboratories provided with state-of-the arts analytics.



In close cooperation with our clients we solve complex problems and provided a large field of inorganic analytics as service, especially for metallurgy purposes.



What We Can Do for You

Our clients are industry, universities and engineering companies and we provide them with a large range of most different services.

From analytics of metallic materials and mineral substances, determination of elements in organic matrices to production and educts inspections at metallurgy companies and their suppliers – at our premises the client is provided with a broad analytic spectrum up to trace analysis and determination of environmental parameters.

All determinations are realized in compliance with the relevant regulations and standards. We are represented at the chemist board of VDEH, in DIN standard commissions and other task groups and always happy to transfer our knowledge to our customers. Furthermore we participate in the establishment of reference materials that are used worldwide.

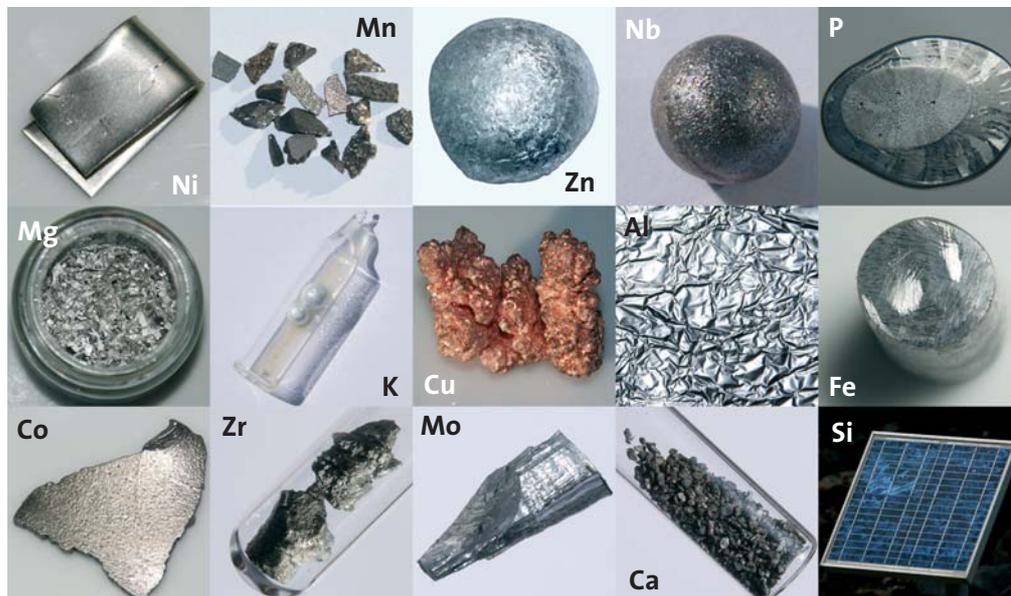




We Answer Your Questions

Analytics of raw material, operating supply items, intermediate and final substances are the crucial basis for decisions by production managers in charge, purchase and sales staff, QA specialists and engineers. Only a fast and precise analysis assures quality on a high level and is important for further product development.

For routine analysis and further special applications we are provided with state-of-the-art measuring procedures to process even the most difficult problems!



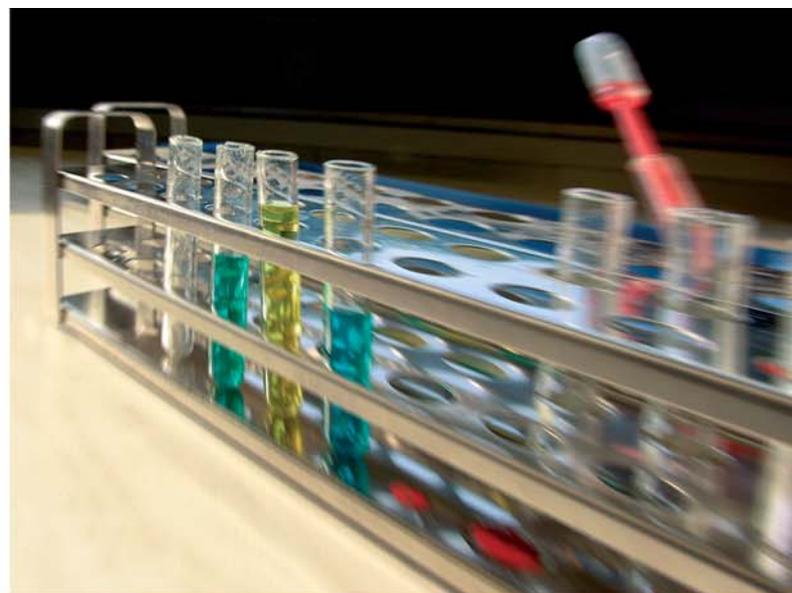
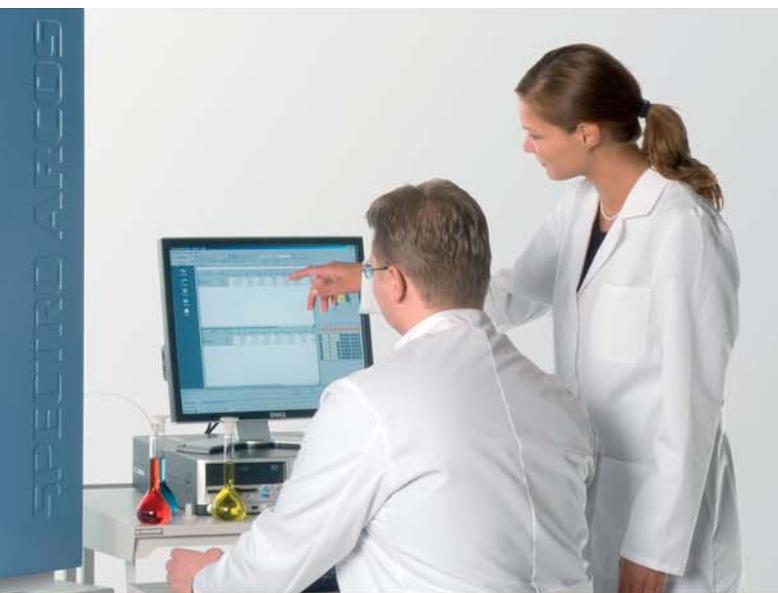
... And many other elements

Trace Analysis with ICP-OES

The spectroscopic ICP method enables us to determine metal and nonferrous material in the most different matrices very thoroughly within the ppm range.

Classic Wet Chemistry

Based on our know-how of many years and the high qualification standard of the employees, we also cope, further to instrumental analytics, with the classic procedures of an ironworks laboratory.



Finding Trace Elements

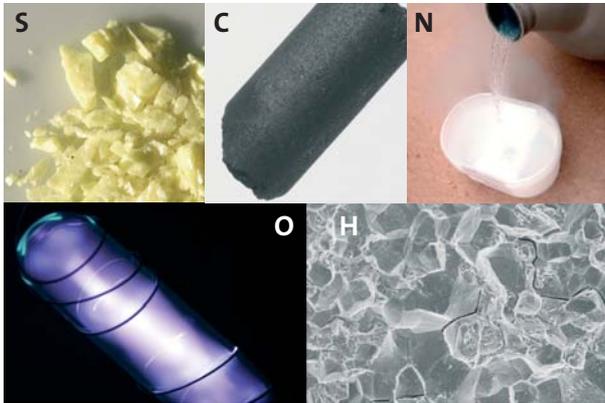
X-Ray Fluorescence Analysis

X-Ray systems look back to a long tradition within metallurgy. This also applies to us. We have a multitude of standard samples available we can vary according to the problem. Due to our equipment with wave-length and energy dispersive devices, we can grant a high precision of industrial analytics such as high-alloy steels or slags.



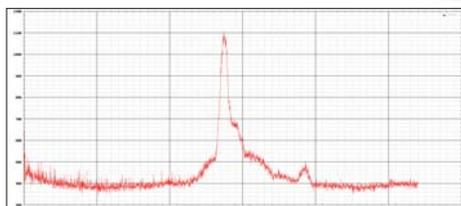


Finding Trace Elements



Elementary Analysis/Combustion

This procedure enables us to determine even smallest traces of the nonferrous metals C, S, N, O and H in the most different substances and materials such as alloys, pure substances, preparations, hard metal or organic matrices.





Available For You

Sampling/Sample-Preparation

We would be pleased to realize sampling and/or sample-preparation of the material to be analyzed for you in compliance with the relevant regulations and standards (DIN, DEV, ISO, etc.).

Analysis Accuracy

To determine proof limits growing smaller and smaller requires competent personnel with experience of many years and state-of-the-art analysis technology. Therefore we are in a position to safely determine the most different elements in solid and liquid substances in a reproducible way.

Quality Management

The Elektrowerk Weisweiler GmbH laboratory is certified according to ISO 9001.



Please contact us –
we will be happy to
make an offer!

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