



MINERAL WATER **BOTTLED WATER**

INSTITUT

FRESENIUS

SGS



RANGE OF SERVICES MINERAL WATER AND OTHER BOTTLED WATER

There is no standard definition for “bottled water” on the international market. The water market outside the EU fundamentally differs from the internal market and requires knowledge of the specific legal framework.

Inside the EU mineral water is understood to be a natural product of purity at source, which comes from underground water resources and must be protected from contamination. Very strict quality requirements need to be met in order to obtain the compulsory official recognition as natural mineral water. Other water types have established themselves on the market, for example spring water and

table water. What is more, in the wake of new legal regulations, products such as reverse osmosis water have also become marketable.

Bottled medical water is one exception, since this is not classified as food, but is subject to the Medicinal Products Act. This again requires a relatively complex approval and routine monitoring procedure.

THE SGS INSTITUT FRESENIUS CONCEPT

SGS Institut Fresenius, with its global network, is on hand as your experienced contact and problem-solver for a wide range of issues.

We provide a one-stop, comprehensive service portfolio: from concept development, project planning and consultancy to sampling logistics, analyses and troubleshooting. With our specialist knowledge and many years of experience, we consider ourselves to be a full-service partner for the entire bottled water industry.

- Analyses and sampling
- Expert assessment and consulting
- Engineering
- Training
- Outsourcing

**"IN TERMS OF
QUALITY AND
RELIABILITY IN
WATER ANALYSES
WE ARE ONE
OF THE LEADING
COMPANIES."**



No other product represents purity and naturalness as much as water. This is exactly why consumers have such high expectations: it should be “pure from the source”, unpolluted and contribute to a healthy diet.

Consumers know that there are definitely differences in quality – but they have no way of differentiating between average and very good products. Help your customer! SGS Institut Fresenius has more than 150 years of experience in water analyses – and customers around the world trust our expertise. And it's not just them. In Germany – one of the most highly developed water markets in the world – a particularly large number of mineral water companies trust our skills and qualification.

SGS Institut Fresenius is one of the most significant providers of chemical and microbiological laboratory analyses in Europe and, thanks to a global network, you can benefit from local expertise around the world. We are familiar with different laws, practices and customs as well as the different water analyses standards in Europe, the USA and Asia/Pacific. Our service goes far beyond analyses: SGS Institut Fresenius experts advise you throughout the entire production process – from the source to bottling and distribution.

Major names in the national and international beverage industry trust in SGS Institut Fresenius – so should you! Create trust with the good name of SGS Institut Fresenius on the bottle label. Your customers will perceive it as a mark of quality.



OUR SERVICES

ANALYSES

- Comprehensive chemical and physical analyses
- Operational supplies (disinfectant, caustic soda, acid, brine, air, carbon dioxide, nitrogen)
- Trace analyses (anthropogenic contaminants)
- Surface and solid-state analyses with X-ray fluorescence and SEM/EDX systems
- Specific analyses of packaging material (PET, glass, bottle preforms, caps, etc.)
- Screening analyses using GC-MS
- Material testing (UV influence etc.)
- Sensory tests
- Microbiology: common microbiological methods, modern identification systems, PCR techniques, bioavailability, detection of heterotrophic microorganisms and biofilms

EXPERT ASSESSMENT AND CONSULTING

- Support throughout the entire process chain
- Alignment with legal and customer-specific requirements
- Process technology (processing, preparation, bottling, storage, cleaning, etc.)

- Filling-line validation
- Quality assurance concepts
- Review of raw materials, operational supplies as well as packaging materials
- Storage, migration and eluate tests
- Troubleshooting
- Complaint handling
- Industrial hygiene, operating checks
- Risk and resource management
- Shelf-life tests
- Recognition and approval procedures, support in achieving exploitation permits
- Assistance with new developments
- National and international declaration verification
- Identification of control points CPs and CCPs for HACCP
- Site inspections/auditing in accordance with ISO 9000 ff. EMAS, ISO 14000 ff.
- Step-by-step monitoring
- Photo documentation
- Water of treatment
- Hygienic design/aseptic
- Setup of monitoring systems

EDUCATION AND TRAINING

- Industrial hygiene
- HACCP concept
- Crisis management
- Product training

ENGINEERING

- Independent support during planning, specification and approval of facilities
- Review of plant concepts and supplier evaluation

FURTHER SERVICES

- Outsourcing
- Auditing and certification in accordance with international standards (ISO, IFS, BRC, etc.)
- Use of name (analyses excerpt) and SGS Institut Fresenius quality seal

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WHEN YOU NEED TO BE SURE

