



Biella, Gennaio 2022

SUBJECT: Biella Qualità Totale s.r.l. presentation

Biella Qualità Totale (BQT) is a private laboratory, born in 1992, which has managed to obtain an important role in the Italian panorama.

Since 1997, BQT has been accredited with N° 0143, initially by SINAL (National System of Accreditation of Laboratories) and then, from 5 June 2009, by ACCREDIA.

Accreditation is the declaration, by an unbiased body, of the competence, independence and impartiality of certification, inspection and verification bodies. Thanks to our management system, we can always ensure reliable results, through a continuous control of the environmental conditions, the functionality of the instruments, the compliance of consumables and the employees professionalism. The Accreditation Certificate and the list of accredited tests, can be downloaded from our website at the link: <https://www.bqt.it/Certificato-Accreditazione.htm> and <https://www.bqt.it/Elenco-prove-accreditate.htm>.

What BQT does:

Our Laboratory is able to conduct the main textiles tests, included: composition analysis, dimensional stability and color fastness tests, chemical, microbiological and physical-mechanical assays. All procedures are conducted following the main internationally recognized standards, such as: UNI, ISO, GBT, AATCC, ASTM, JIS. In addition, also voluntary specifications of the most famous worldwide Brands, are performed with the same attention and precision.

Always on textile matrix, an important role is also played by fire testing equipment. In fact, in a dedicated area, different fire tests are performed. In particular, are conducted procedures for determining the flame spread properties of materials, in the form of single or multicomponent fabrics, when subjected to a small defined flame.

From some years, we have also adopted the new innovative method, called Sweating Guarded Hotplate, often referred to as the "Skin Model". It is a sophisticated system that allows us to produce accurate and repeatable measurements of the thermal resistance (RCT) and water vapor resistance (RET) of textiles, thanks to a climate chamber.

More recently, a microbiological laboratory has also been set up, in order to evaluate the antibacterial and antimycotic efficacy of different textile matrix, following International methods of evaluation.

Biella Qualità Totale srl

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It is important to note that, the continuous purchase of new machines and technologies, has allowed our laboratory to increase the number of tests, not only on textile matrix, but also in food and environmental fields.

These continuous investments, highlight the desire for BQT to continue offering an efficient and effective service for its Customers, following the new need of the market.

To date, thanks to the use of innovative analytical tools and highly qualified chemical technicians, BQT laboratory is able to conduct a large number of analysis with the aim of identifying the possible presence of carcinogenic/allergenic substances. Indeed, the presence of such substances, could be responsible for harmful or allergic reactions to humans and environment.

For this purpose, the most used instruments are: the gas chromatography–mass spectrometry (GC-MS), the headspace gas chromatography–mass spectrometry (HS GC–MS), the inductively coupled plasma - optical emission spectrometry (ICP-OES), the high performance liquid chromatography-diode array detector (HPLC-DAD), the fourier transform infrared spectroscopy (FT-IR), the ultraviolet–visible spectrophotometer (UV-VIS), the liquid chromatography with tandem mass spectrometry (LC-MS/MS), the differential scanning calorimeters (DSC), the ion chromatography (IC), the hydrometer and finally, instruments for measuring the electrostatic properties.

Moreover, BQT has extended the Accreditation for testing the industrial waste waters, process waters, raw and surface waters. Indeed, we can offer different water quality analysis for better monitoring of purification processes. The main parameters investigated are: pH, chemical oxygen demand (COD), metals and surfactants.

Finally, in the food area we have decided to support the wine sector, increasing both human and technical resources. So, in this way, we can offer a wide range of quality controls, supporting to the oenological excellence of the Upper Piedmont.

Our work is always carried out in respect to environment. We try to reduce dangerous chemical substances, helping our Customers to verify the raw materials, the finished product and the waste water, with specific targeted analysis.

We guarantee fast results, often giving advice and suggestions. In addition, according to Regulation (UE) n. 2016/679, we respect the obligations of lawfulness and transparency, to protect the maximum confidentiality of our Customers.

BQT is responsible about the control of all information, obtained and generated, during the laboratory activity. These types of information, are managed on paper and specific software, which allow us to consult them as needed. They can be viewed by external professionals (computer technician, consultant of the management system, external auditor, consultant of the privacy), and by inspectors during the Accreditation phases. In case it becomes necessary to disclose such information to third parties, written authorization on headed paper will be required from the customer, before proceeding.

Commercial Manager

Ing.  Alberto Canova

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