

## Research project IZS VE 02/10

**Study about analytical and preanalytical critical aspects in chemical evaluation of foods products compliancy**

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Food official control is one of the main European community topics in order to guarantee consumers safety. A specific regulation, in fact, has been promulgated to asses relevance of food controls. Some specific fields, such as additives controls, compositional analyses and contaminant levels check, can be considered as the first analytical problems present in food controls. Nevertheless, some deficiency are still evident about these topics. In fact, no reference technical rules are available for most of the additives to be controlled as well as no official data are available on peculiarities, not necessarily analytical, and critical steps that influence the final results.

The objective of the project is to study the effects that some factors such as the preparation of test sample, storage conditions and defreeze of sample, or the changes determined by bacterial activities can have towards the final evaluation of compliance or not of the examined samples in order of a national guideline proposal. Experimental data will be useful for additional evaluation about a unique approach for measurement uncertainty estimation.