



# Service Specification for the analyses of tea, herbal and fruit infusions

Classic tea from the tea plant "*Camellia sinensis*" as well as various ingredients such as peppermint, chamomile and other herbs, blossoms and dried fruits form the basis for a broad product portfolio. Not only the raw materials are diverse, but also the origins from all around the world. This results in a complex spectrum of legal requirements and quality parameters.

With our comprehensive range of services in the Eurofins laboratory network, we can offer you always the right examination for this purpose. We support you with our expertise both in complying with legal requirements and in ensuring the quality of your products.

## Residues and Contaminants

- Pesticides
- Pyrrolizidine alkaloids/ Tropane alkaloids (PA/ TA)
- Heavy metals and elements
- Contaminants (e. g. PAH, nicotine)
- Mineral oil hydrocarbons (MOSH/ MOAH)
- Fumigation residues (e. g. ETO)
- Mycotoxins

## Microbiology Scope

- Hygiene-related bacteria
- Indicator organisms *E. coli*, *coliforms*
- Pathogens and their toxins
- Spoilage pathogens
- Testing according to THIE-Specification

## Natural Ingredients

- Essential oils
- Tarragol, coumarin, glycyrrhizic acid
- Nutritional values („Big 7“ according to LMIV and „Big 8“)
- Catechins, polyphenols
- Caffeine
- Vitamins
- Minerals

## Special Analytics

- Examination for marketability (e. g. German guidelines for tea)
- Sensory Testing (e. g. difference from control test)
- Radioactivity (caesium / iodine)
- Proof of irradiation (e. g. for herbal tea)
- Allergens (e. g. gluten)
- Testing of packaging materials and migration

## Further Service

- Logistics concepts incl. shipping organisation
- National and international label check
- National and international sampling
- Consumer studies
- Internationally aligned inspection service