

## Soil Ringtest – Standard evaluation

Target value of the ringtest evaluation is the median value (=standard automatic evaluation) of the laboratory means for each parameter/sample combinations. The laboratory result will be compared with this target value und must be within the tolerable limits. Laboratory results inside these tolerable limits are correct; laboratory results outside these limits fails. Special broader limits were set up for lower concentrations.

The limits you can find here: [https://bfw.ac.at/fsc/ring\\_boden.eval\\_parameter](https://bfw.ac.at/fsc/ring_boden.eval_parameter)

A special procedure was foreseen for result below the limit of quantification. A maximum acceptable limit of quantification (LOQ) was set to avoid the use of not sensitive enough analytical methods. If a LOQ above this limit is reported the laboratory will fail for this parameter/sample combination. LOQs below this limit will be used (as a number) for calculating the target value (median). For sample/parameter combinations the laboratory will fail, if the reported LOQ is below the lower border of the tolerable limit.

In case of very low concentrations (more than 33% of the laboratories reports a LOQ) this parameter/sample will be manually excluded from the evaluation. For passing the ringtest for each parameter, 50% or more of these sample results per parameter must be correct. The ringtest results (qualification report) will be automatically uploaded and linked with the LQA-files to the monitoring results in the ICP-FORESTS database.