Annex 2 – Drinking water check

Overview of the target values for the drinking water check

Scope and procedure of the drinking water check

The drinking water check contains a physical-chemical and a microbiological analysis. At least the listed parameters contained in the following both tables have to be examined. The orientation values may not be exceeded or fall below.

a) Physical-chemical examination

If you use your own well, at least one sample per water source (respective well) must be physically and chemically tested. If several locations (= several location numbers or several production scopes) are supplied from a common water source, a physical and chemical analysis of this well by the registered sampler is sufficient. This analysis can then be used for several locations.

No physical-chemical analysis is necessary when using water from the public water supply.

Table 1: Assessment values for drinking water (physical chemical parameters)

Parameter	Unit	Suitable for drinking water
pH value		5-9
Degree of hardness	°dH	< 21
Iron (Fe)	(mg/l)	< 3,0
Nitrate (NO_3-)	(mg/l)	< 200
Manganese (Mn)	(mg/l)	< 4,0

Source: based on BMLEH guidlines for the assessment of the hygienic quality of drinking water under feed law, as of July 19, 2019 (selection), as well as the LUFA NRW assessment values for drinking water

b) Microbiological testing

At least one drinking water test is required per shed. Sampling is performed from the drinking line. Water must be taken at the end of each branch. In the case of a ring line, the sample can be taken at any point in the ring line.

Table 2: Assessment values for drinking water (microbiological parameters)

Parameter	Unit	Suitable for drinking water
Colony count (at 37 °C)	CFU/ml	≤ 1,000
Colony count (at 20 °C)	CFU/ml	≤ 10.000
Escherichia coli	CFU/ml	≤ 100