

Annex 2 – Drinking water check

Overview of the target values for the drinking water check

Extent 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 analysis

When using an own well at least one sample per water source (corresponding well) has to be examined physically/chemically. If more locations (= several location numbers or several production scopes) come from a common water source, a physical chemical analysis of this well by the registered sampler is sufficient. This analysis can then be used for several locations.

When using water from the public water supply a physical/chemical analysis is not necessary.

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

Parameter	Unit	Suitable for drinking water
pH value		5-9
Degree of hardness	°D	< 20
Iron (Fe)	(mg/l)	< 3,0
Nitrite (NO ₂ ⁻)	(mg/l)	< 30
Manganese (Mn)	(mg/l)	< 4,0

Source: following BMEL recommendations

b) Microbiological analysis

At least one drinking water analysis per shed is necessary. The sampling must be carried out on the last through respectively.

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

Parameter	Unit	Suitable for drinking water
Bioburden	KbE/ml	≤ 100.000
Yeasts and moulds	KbE/ml	≤ 10.000
Escherichia coli	KbE/ml	≤ 100

Source: following IKB kip