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	°dH	< 21
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