

ANNEX 1 - Detection of insecticide residues

Annex 1 - Detection of insecticide residues in water and soil samples

The following table shows the detection limits for insecticide residues in water and soil samples.

The method was developed to determine whether or not the surrounding atmosphere or surface contains chemical water agents in gas, aerosol or liquid form above the threshold level. By turning out a number of consecutive simple wet chemical colour tests, conclusions about the atmosphere can be reached within 15 minutes.

The following gas concentrations (in $\mu\text{g}/\text{m}^3$) can be detected:

Gas	Concentration ($\mu\text{g}/\text{m}^3$)	Detection Limit
Acetylcholinesterase	0.02	1.5
HCN	0.01	2
COH	0.02	1
Phosphine	0.01	2

The method was developed to determine whether or not the water is fit for human consumption. By performing a number of consecutive simple tests, conclusions can be reached within 30 minutes.

The following concentrations (in $\mu\text{g}/\text{m}^3$) can be detected:

Gas	Concentration ($\mu\text{g}/\text{m}^3$)	Detection Limit
Acetylcholinesterase	0.02	1.5
HCN	0.01	2
COH	0.02	1
CO	0.01	2
Phosphine	0.01	2