CLAIMS

1. An electrode used as a sensor unit in a decontamination intensity sensor that detects a degree of progress of decontamination of at least one of microorganisms and viruses decontaminated with peracetic acid in a decontamination object based on an electric resistance value of the sensor unit disposed in the decontamination object,

wherein the electrode comprises a metal corroded by the peracetic acid, and is configured such that corrosion of the metal proceeds as decontamination intensity increases, whereby the electric resistance value increases.

2. The electrode according to claim 1, wherein

the corrosion includes a chemical reaction in which the metal is changed to acetate.

3. The electrode according to claim 1 or 2, wherein

the metal contains at least one of copper and zinc.

4. The electrode according to claim 3, wherein

the metal is an alloy containing the copper and the zinc.

5. A decontamination intensity sensor wherein the electrode according to claim 1 or 2 serves as the sensor unit.

6. The decontamination intensity sensor according to claim 5, wherein the sensor unit includes a first sensor unit and a second sensor unit,

the first sensor unit is the electrode in which the metal is exposed to the decontamination object, and

the second sensor unit is the electrode which is masked so as not to corrode a surface of the metal.

7. A decontamination system comprising:

the decontamination intensity sensor according to claim 5; and

a decontamination device that ejects the peracetic acid to the decontamination object.

8. The decontamination system according to claim 7, wherein the decontamination device is configured to stop the ejection of the peracetic acid when information indicating the completion of the decontamination is acquired from the decontamination intensity sensor.

9. A method for detecting decontamination intensity for detecting a degree of progress of decontamination of at least one of microorganisms and viruses decontaminated with peracetic acid in a decontamination object, the method comprising:

a step of acquiring, from a sensor unit that is disposed in the decontamination object and includes an electrode comprising a metal corroded by the peracetic acid, and being configured such that corrosion of the metal proceeds as decontamination intensity increases, whereby an electric resistance value increases, the electric resistance value of the electrode; and

a step of determining that the decontamination is completed when the acquired

electric resistance value satisfies a predetermined condition.

10. A decontamination intensity detection program that detects a degree of progress of decontamination of at least one of microorganisms and viruses decontaminated with peracetic acid in a decontamination object, the program causing a computer to execute:

a step of acquiring, from a sensor unit that is disposed in the decontamination object and includes an electrode comprising a metal corroded by the peracetic acid, and being configured such that corrosion of the metal proceeds as decontamination intensity increases, whereby an electric resistance value increases, the electric resistance value of the electrode; and

a step of determining that the decontamination is completed when the acquired electric resistance value satisfies a predetermined condition.