

## ABSTRACT

There is provided a liquid quality management device (101) capable of being added to a liquid supply system (70), the liquid supply system supplying a liquid within a storage container (10) to a dispensing device (50) in order to cool the liquid, and dispensing the liquid to a drinking container (40), the liquid quality management device including: an actual flow rate preparation unit (110) including a flow rate sensor (111) and determining an actual measured flow rate of the liquid; a dispensing liquid temperature sensor (120) measuring a temperature of the liquid dispensed into the drinking container; and a determination unit (130) electrically connected to the actual flow rate preparation unit and the dispensing liquid temperature sensor, determining an integrated flow rate of the liquid in a period in which the liquid temperature is equal to or higher than a set temperature, and determining whether or not coolability of the dispensing device is suitable by comparing the integrated flow rate with a determination value.