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(57) Abstract :

The present disclosure pertains to a surveillance system for milk quality testing. The system includes a device including a set of sensors configured to detect one or more milk parameters and a controller in communication with the device and configured to extract potential of hydrogen (pH), temperature, humidity, alcohol content, air quality, conductivity of one or more contents of the milk sample and compare the extracted potential of hydrogen (pH), temperature, humidity, alcohol content, air quality, conductivity of one or more contents of the milk sample with a database. The controller is configured to generate a set of alert signals when the compared milk quality testing parameters are beyond the threshold values, and transmit the set of alert signals to one or more mobile computing devices. The set of alert signals enables in determining quality of the milk sample along with generating review for the milk sample based on quality of the milk sample.

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