

GRADE “A” PASTEURIZED MILK ORDINANCE (pmo) - 2001
Revision

APPENDIX I. PASTEURIZATION EQUIPMENT AND CONTROLS - TEST

TEST 15.

ELECTRO MAGNETIC INTERFERENCE FROM HAND-HELD COMMUNICATION DEVICES

Application: To all electronic controls used to assure compliance with public health safeguards on pasteurization and aseptic processing equipment that are installed in milk plants where hand-held communication devices are used.

Frequency: Upon installation; alteration of the electronic controls; every three (3) months thereafter; and whenever the type or wattage of the hand-held communication device(s) used in that facility is changed.

Criteria: The use of hand-held devices shall have no adverse effect on the public health safeguards.

Apparatus: One (1) hand-held device representing each make and model used in the facility. The device must be operating at maximum output, fully charged.

Method: By observing the actual effect of the hand-held communication device, it can be determined if that device can be used near that equipment without compromising a public health safeguard.

Procedure:

1. Position the hand-held communication device 30.5 centimeters (12 inches) in front of the electronic control where the public health safeguard resides.
2. Place the communication device in the “send” mode for five (5) seconds and observe the effect on the public health safeguards. There should be no adverse effect. An adverse effect is any change that may adversely affect a public health safeguard.
3. If applicable, repeat the Procedure with the operator access door open
4. Repeat the above Procedures for each hand-held communication device identified in the Apparatus Section.
5. Repeat the Procedure for each electronic control used to regulate a pasteurization or aseptic processing public health safeguard.

For Example: For a temperature set point, operate the pasteurizer or aseptic processor on water in diverted flow in the “Product” mode, at a steady temperature within 5°F of the lowest cut-in temperature. In this example, an adverse effect is defined as forward-flow movement of the FDD or any artificial increase in temperature.

Corrective Action: Have the facility check for shielding, grounding and other installation concerns and retest. Until a solution, acceptable to the Regulatory Agency, can be found that does not adversely affect the public health safeguards, the hand-held device may not be used in the area of the public health safeguard.