Purpose:

The purpose of this ballot is to affirm proposed revised language for section 5.40 regarding cappuccino machines with milk systems. More specifically, the proposed language modifies requirements for milk conveyance tubing.

Background:

The original language in section 5.40 was developed and written for machines that used gravity to drain the milk dispensing tube between uses. Some machines now available use technology that flushes the milk tubing at periodic intervals. This mechanical flushing of the milk tubing may provide a more effective purge than a gravity-based design.

Issue paper FE-2018-15 highlights the need to revise this language to allow for the newer purge-flush design technology. The current requirement for maintaining milk at a safe holding temperature would remain unchanged. Any portion of a milk dispensing system that retains milk for an undetermined amount of time is subject to the temperature performance test in section 6.2 of NSF/ANSI 18 – 2016. However, milk tubing that is drained, flushed/rinsed at specific time intervals may be exempt from the temperature performance criteria.

This issue paper was presented to the JCFE at its August 2018 face-to-face meeting. Following discussion the JCFE referred the issue paper to the task group on hot food equipment (TG) for review and consideration. In preparation for a TG teleconference on April 9, 2019, the language was presented as a revision 1 straw ballot. Following some refinement of the language the TG submitted revision 2 to the JCFE for its consideration.

Revision 2 passed the JC unanimously and was sent to the CPHC, where a negative vote and comment was collected (see CPHC Ballot Comments for details). Since that time, the negative commenter and issue proponent met to discuss, and the language was further revised for clarity. These 2 parties also met with the TG Chair and JC Chair for additional discussion, the result of which is revision 3 ballot presented here for your consideration.

An affirmative (yes) vote on this straw ballot means you agree with the revised language as submitted.

A negative (no) vote on this straw ballot means you disagree with the revised language as submitted. A negative vote must include an explanation of why you disagree with the revised draft.
5 Design and construction

5.40 Cappuccino machines with milk reservoir systems

5.40.1 Except as noted in 5.40.2, milk reservoirs and all milk-conveying components on cappuccino machines shall conform to the temperature performance criteria of NSF/ANSI 18.

5.40.2 The requirements in 5.40.1 shall not apply to if tubing is used to convey milk from a reservoir to a dispensing port or outlet and that tubing is located outside of active temperature control, the tubing is not subject to the temperature performance criteria of NSF/ANSI 18, provided that the tubing is:

- designed so that it is completely gravity self-drained of milk between dispenses, or is designed to be completely and automatically flushed to waste with potable water or fresh temperature-controlled milk at intervals not exceeding 4 h;
- transparent enough to verify that it is void of milk and has an exposed portion visible to the operator; and
- no greater than 18 in (46 cm) in length when tubing is only gravity self-drained without being flushed.

5.40.3 Milk reservoirs and all milk conveying components, including tubing, shall conform to 5.1.3.

Rationale: This proposed language clarifies the requirements for cappuccino machines that drain and flush/rinse milk conveyance tubing at controlled time intervals.