BULK MILK HAULER/SAMPLER EVALUATION RECORD

HAULER SANITATION PROCEDURES

1. Pickup practices conducted to preclude contamination of milk contact surfaces
2. Hands clean and dry; no infections
3. Clean outer clothing; no use of tobacco
4. Hose port used; tank lids closed during completion of pickup
5. Hose properly capped between milk pickup operations, hose cap protected during milk pickup
6. Hose disconnected before tank rinsed
7. Observation made for sediment/abnormalities
8. Sample collected from each producer's bulk tank picked up

BULK TANK SAMPLING PROCEDURES

9. **Thermometer - Approved Type**
   - a. Accuracy checked against standard thermometer every 6 months – accuracy ± 1 division
   - b. Date checked and checker's initials attached to case
10. **Sample Transfer Instrument**
    - a. Cleaned, sanitized or sterilized and of proper construction and repair
    - b. Sterile needle for aseptically dispensing a milk sample from the bulk tank sample septum into a sample container (i.e., vial)
    - c. Or an approved in-line sampler
    - d. Or an approved aseptic sampler
    - e. Or sanitized sampling cock
11. **Sampling Instrument Container**
    - a. Proper design, construction and repair for storing sample dipper in sanitizer
    - b. Applicable test kit for checking strength of sanitizer (200 ppm chlorine or equivalent)
12. **Sample Containers**
    - a. Clean, properly sanitized or sterilized
    - b. Adequate supply, properly stored and handled
13. **Sample Storage Case**
    - a. Rigid construction, suitable design to maintain samples at 0°C - 4.4°C (32°F - 40°F), protected from contamination
    - b. Ample space for refrigerant; racks provided where necessary
14. **Sample Collection - Precautions and Procedures**
    - a. Sampling instrument and container(s) properly carried into and aseptically handled in milkhouse
    - b. Bulk tank milk outlet valve sanitized before connecting transfer hose
    - c. Smell milk through tank port hole
    - d. Observe milk in a quiescent state with lid wide open and lights on when necessary
    - e. Test thermometer sanitized (1 minute contact time)
    - f. Non-acceptable milk rejected
    - g. Dry measuring stick with single-service paper towel
    - h. Measure milk only when quiescent
    - i. Do not contaminate milk during measuring process
    - j. Agitate milk before sampling at least 5 min. or longer as may be required by tank specifications
    - k. Do not open bulk tank valve until milk is measured and sampled
    - l. Temperature of milk, time, date of pickup and bulk milk hauler/sampler name and license or permit no. recorded on each farm weight ticket
    - m. Tank Thermometer Accuracy
      - m1. Tank thermometer accuracy checked monthly and recorded when used as test thermometer
      - m2. Accuracy of required recording thermometer checked monthly against standardized thermometer and recorded
    - n. Temperature control sample provided at first sampling location for each rack of samples
    - o. Temperature control sample properly labeled with time, date, temperature, producer ID and bulk milk hauler/sampler identification
    - p. Sample containers legibly identified at collection points
    - q. Sample dipper rinsed at least two times in the milk before transferring sample
    - r. Dipper should be extended 6-8 inches into the milk to obtain representative sample
    - s. Sample cock properly sanitized and flushed prior to sampling
    - t. Septum surface properly sanitized and single service sterile needle used
    - u. Do not hold sample container over the milk when transferring sample into the container
    - v. Fill sample container not more than 3/4 full
    - w. Rinse sample dipper in safe tap water, return to storage container, open tank valve, and start milk transfer pump
    - x. Immediately place milk sample in the sample case
15. **Sample Collection - Storage and Transportation**
    - a. Sample Storage – Refrigerant maintained no higher than milk level in sample containers – maintain sample temperature 0°C - 4.4°C (32°F - 40°F); do not bury tops of containers in ice; protect against contamination
    - b. Deliver samples to laboratory promptly
    - c. Sampling and Sampling Data – Submitted to laboratory – if by common carrier, use tamper-proof shipping case with top labeled "This Side Up"

SAMPLE COLLECTOR	DATE	1	2	3	4	5	6	7	8	9	9a	9b	10	10a	10b	10c	10d	10e	11	11a	11b	12	12a	12b	13	13a	13b	14	14a	14b	14c	14d	14e	14f	14g	14h	14i	14j	14k	14l	14m	14m1	14m2	14n	14o	14p	14q	14r	14s	14t	14u	14v	14w	14x	15	15a	15b	15c
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