

Section 3.5

Other Inputs

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OTHER INPUTS

REQUIREMENTS

1. Livestock tattoo ink and markers (crayon and spray) must be approved for use on food animals.
2. Livestock markers (crayon and spray) and topical wound treatment used on-farm must not contain any of the substances listed in the table below.

Table 1: Substances Not Approved for Use on Food Animals¹

Name	Chemical Abstract Service Number
Crystal violet	548-62-9
Leucocrystal violet	603-48-5
Brilliant green	633-03-4
Leucomalachite green	129-73-7
Malachite green	569-64-2

¹ Last updated January 2018.

RATIONALE

- a. Some livestock tattoo ink and markers ingredients can contaminate animal by-products that are used to feed other food animals.
- b. If a tattoo ink or marker is not approved for use on food animals, it may introduce a chemical hazard.

GUIDANCE

- a. Ask the supplier to provide you with the product's material safety data sheet (MSDS). The MSDS should list the ingredients, accompanied by a chemical abstract service (CAS) number. Verify that none of these ingredients include a CAS number listed in Table 1, or ask a specialist, such as a veterinarian or agronomist, to verify if any of the substances listed above are found in the product(s) used on-farm.
- b. Inspect tattoo ink prior to use to ensure it is the same product that you routinely use.
- c. Medical supplies (e.g., antibiotics, vaccines) and medical equipment (e.g., syringes, needles) are of particular concern, since they are often routinely used on farm. Failure to properly disinfect, store or use any pharmaceutical products or medical equipment introduced on-farm can lead to potential contamination of products and further transmit disease to the herd.
- d. Ensuring that equipment used for storing, mixing and distributing feed ingredients is properly cleaned and maintained to minimize the risk contamination with pathogenic micro-organisms, molds and fungi.
- e. New supplies should be inspected to ensure they are received in their original, intact and sealed packaging.
- f. Medical supplies and pharmaceuticals should be purchased from a recognized manufacturer or an authorized retailer.
- g. For additional recommendations, refer to Section 8.7 Fomites. Fomites include but are not limited to the following:
 - i. pharmaceutical packaging (e.g., antimicrobials bottle, antibiotics bottle, vaccines bottle, vitamins)
 - ii. medical equipment (e.g., syringes, needles and equipment used for castration, tail docking or teeth clipping)
 - iii. tools (e.g., shovels, scrappers, hammers, hoses, pails, buckets).
 - iv. other farm inputs (e.g., cellphone, footwear, clothing, lunch kit, identification devices, disinfectants, detergents, tattoo inks, tattoo hammers, bedding, baits, enrichment devices and artificial insemination equipment).

AUDIT QUESTIONS

Q#	Audit Questions and Interpretations	Verification			
		Compliant	NC-Minor	NC-Major	N/A
Q3.5.1	Verify that the livestock markers (crayon and spray) and topical wound treatments used on-farm are free from these substances: a. crystal violet b. leucocrystal violet c. brilliant green d. leucomalachite green e. malachite green	Full and Partial Validation: > material safety data sheet > observation			
	Are livestock markers (crayon and spray) and topical wound treatments used on-farm free from these substances: a. crystal violet b. leucocrystal violet c. brilliant green d. leucomalachite green e. malachite green	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q3.5.2	Verify that the livestock tattoo inks and markers used on-farm are approved for food animals.	Full and Partial Validation: > safety data sheet > observation			
	Are the livestock tattoo inks and markers used on-farm approved for food animals?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

N/A = not applicable



LEVELS OF COMPLIANCE – EXAMPLES

COMPLIANT

- > The livestock markers (crayon and spray) and topical wound treatment used on-farm are free from prohibited substances.
- > The livestock tattoo ink and markers used on-farm are approved for food animals.

MINOR NON-COMPLIANCE – Not applicable

MAJOR NON-COMPLIANCE **Timeline: 60 days**

- > The livestock markers (crayon and spray) and topical wound treatment used on-farm contain prohibited substances.
- > The livestock tattoo ink and markers used on-farm are not approved for food animals.