

Name of the Disease:	Foot-and-Mouth Disease (FMD)
List Update Date:	07/04/2022

HS CODE	ITEM NAME
01.02	Live cattle
01.03	Live pigs
01.04	Live sheep and goats
0106.13.00.00.00	Camels
0106.19.00.90.00	Others (only cloven-hoofed mammals)
02.01	Meat of bovine animals (fresh or chilled)
02.02	Meat of bovine animals (frozen)
02.03	Pork (fresh, chilled, or frozen)
02.04	Meat of sheep and goats (fresh, chilled, or frozen)
02.06	Edible offal of cattle, pigs, sheep, goats, horses, donkeys, mules, or hinnies [raw (fresh), chilled, or frozen]
0208.90.30.00.00	Meat of game animals (excluding rabbits) (fresh, chilled, or frozen) (only cloven-hoofed wild animals and edible offal)
0208.90.60.00.00	Reindeer meat
0208.60.00.00.00	Meat of camels and other camelids (fresh, chilled, or frozen)
0208.90.98.00.00	Meat and offal of other animals (fresh, chilled, or frozen) (only cloven-hoofed wild animals and edible offal)
0209.00	Only pork fats
02.10 ⁽²⁾	Meat and edible offal (salted, in brine, dried, or smoked), flours, and meals of meat and offal
04.01 ⁽¹⁾	Milk and cream (not concentrated, not containing added sugar or other sweeteners)
04.02 ⁽¹⁾	Milk and cream (concentrated or containing added sugar or other sweeteners)
04.03 ⁽¹⁾	Buttermilk, curdled milk, and cream, yogurt, kefir, and other fermented or acidified milk and cream (whether concentrated or containing added sugar, sweeteners, flavoring, fruit, nuts, or cocoa)
04.04 ⁽¹⁾	Whey (whether concentrated or containing added sugar or sweeteners); products consisting of natural milk constituents not elsewhere specified (whether containing added sugar or sweeteners)
04.05 ⁽¹⁾	Butter and other fats and oils derived from milk; dairy spreads
04.06 ⁽¹⁾	Cheese and curd
0502.10.00.10.00 ⁽⁶⁾	Pig bristles
0504.00 ⁽⁵⁾	Intestines, bladders, and stomachs of animals (excluding fish), fresh, chilled, frozen, salted, in brine, dried, or smoked (only from cloven-hoofed animals)
0506.90.00.00.00 ⁽⁹⁾	Others (only from cloven-hoofed animals)
0507 ⁽⁹⁾	Others (only from cloven-hoofed animals)
0510.00	Ambergris, castoreum, musk; cantharides; animal glands and other animal substances used in pharmaceutical preparations (only from cloven-hoofed animals)
0511.10.00.00.00	Bovine semen

0511.99.10.00.00	Tendons and sinews; untanned hide trimmings (only from cloven-hoofed animals)
0511.99.85.90.11 ⁽⁸⁾	Animal blood (whether dried) (only from cloven-hoofed animals)
0511.99.85.90.13	Offal for animal feed production (from cattle, sheep, goats, and pigs)
0511.99.85.90.18 ⁽³⁾	Others (from cattle, sheep, goats, and pigs)
1213.00 ⁽⁷⁾	Cereal straw and husks (unprocessed) (only straw)
1214.90 ⁽⁷⁾	Other animal feeds (only straw)
1501	Solid pig fat (including lard) (excluding poultry fats from 02.09 and 15.03 positions)
1502.90.90.00.11	Bovine fats
1502.90.90.00.12	Sheep and goat fats
1506.00	Other animal fats and oils and their fractions (only from cloven-hoofed animals)
1601.00 ⁽²⁾	Sausages and similar products made from meat, offal, or blood and food preparations based on these products (only from cloven-hoofed animals)
16.02 ⁽²⁾	Prepared or preserved meat, offal, or blood (excluding sausages and similar products) (only from cloven-hoofed animals)
16.03 ⁽²⁾	Extracts and juices of meat, fish, crustaceans, mollusks, and other aquatic invertebrates (only from cloven-hoofed animals such as cattle, sheep, goats, pigs)
2301.10.00.00.14 ⁽⁸⁾	Obtained from ruminant animals
2301.10.00.00.18 ⁽⁸⁾	Flours, meals, pellets, and greaves of meat or offal; inedible (only from cloven-hoofed animals)
3101.00	Animal or plant fertilizers (only raw fertilizers from cloven-hoofed animals)
3105.10	Tablets or similar forms or in packages not exceeding 10 kg in gross weight (only from cloven-hoofed animals)
41.01 ⁽³⁾	Raw hides and skins of cattle (including buffalo) and horses, whether or not dehaired, salted, dried, limed, pickled, or otherwise preserved but not tanned, parchment-dressed, or otherwise processed (excluding horse hides)
4102.10 ⁽³⁾	Raw hides of sheep and lambs with wool on
4102.29 ⁽³⁾	Other raw hides of sheep and lambs; wool removed
4103.90 ⁽³⁾	Raw hides and skins of other animals
4103.30.00.00.00 ⁽³⁾	Raw hides of pigs
4103.90 ⁽³⁾	Raw hides and skins of other animals (only obtained from cloven-hoofed wild animals)
43.01 ⁽³⁾	Raw furskins (excluding raw hides and skins under headings 41.01, 41.02, and 41.03) (only from cloven-hoofed animals)
51.01 ⁽⁴⁾	Wool and fleece (neither carded nor combed)
51.02 ⁽⁴⁾	Fine or coarse animal hair (only from cloven-hoofed animals)
51.03 ⁽⁴⁾	Waste of wool, fine or coarse animal hair (including yarn waste) (excluding those obtained by garnetting)
9705 ⁽⁹⁾	Collections and specimens of zoological, botanical, mineralogical, anatomical, historical, archaeological, paleontological, ethnographic, or numismatic value (only from cloven-hoofed animals)

Procedures for FMDV Inactivation:

- ⁽¹⁾ **Milk and Cream for Human Consumption:**
 - a) Treated at a minimum temperature of 132°C for at least one second (Ultra-High Temperature [UHT]), or
 - b) Treated at a minimum temperature of 72°C for at least 15 seconds, with a pH above 7.0 (High-Temperature Short-Time Pasteurization [HTST]), or Subjected to HTST treatment twice for milk with a pH of 7.0 or higher.
- **Milk for Animal Consumption**
 - a) Subjected to HTST treatment twice, or
 - b) HTST combined with another physical process, such as maintaining a pH of 6 for at least one hour or additional heating to at least 72°C with drying, or
 - c) UHT combined with another physical process as specified in (b).
- ⁽²⁾ **Meat and Meat Products:**
 - a) **Canning:**

Meat in tightly sealed cans, thermally processed until the core temperature reaches at least 70°C for a minimum of 30 minutes
 - b) **Thorough Cooking:**

Deboned and defatted meat heated to a core temperature of at least 70°C for a minimum of 30 minutes, packaged to prevent virus contamination, and necessary precautions taken.
 - c) **Salting and Drying:**

- Meat salted with table salt (NaCl) after rigor mortis, completely dried, with a water-to-protein ratio not exceeding 2.25/1, or defined with a water activity (Aw) of no more than 0.85.
- ⁽³⁾ **Hides and Skins:**
 - a) Treated with salt (NaCl) containing 2% sodium carbonate (Na₂CO₃) for at least 28 days, or
 - b) Semi-processed hides and skins (limed hides, pickled hides, wet blue, and crust leather).
- ⁽⁴⁾ **Wool and Hair:**
 - a) Industrial washing of wool by immersion in a series of water, soap, and sodium hydroxide (soda) or potassium hydroxide (potash) baths, or
 - b) Chemical depilation using slaked lime or sodium sulfide, or
 - c) Fumigation with formaldehyde in an airtight chamber for at least 24 hours, or
 - d) Industrial washing by immersion in a water-soluble detergent maintained at 60-70°C, or
 - e) Storage of wool for four months at 4°C, four weeks at 18°C, or eight days at 37°C.

– ⁽⁵⁾ **Intestinal Casings:**

Treated for at least 30 days with dry salt (NaCl), saturated brine (NaCl, $A_w < 0.80$), or phosphate-supplemented salt containing 86.5% NaCl, 10.7% Na_2HPO_4 , and 2.8% Na_3PO_4 (weight/weight/weight), maintained at a temperature above 12°C throughout this period.

– ⁽⁶⁾ **Pig Bristles:**

- a) Boiled for at least one hour, or
- b) Soaked in a 1% aqueous formaldehyde solution for at least 24 hours.

– ⁽⁷⁾ **Straw and Hay:**

Must not be contaminated with animal-origin materials of detectable size and must be treated as follows if transported in bales:

- a) Steam treatment in an enclosed chamber, ensuring a core temperature of at least 80°C for a minimum of 10 minutes, or
- b) Exposure to formalin fumes (gas formaldehyde) from a 35-40% commercial solution for at least 8 hours at a minimum temperature of 19°C.

– ⁽⁸⁾ **Blood, Meat, Bone, Horn, and Hoof Meal:**

Subjected to thermal processing until a core temperature of at least 70°C is reached for a minimum of 30 minutes.

– ⁽⁹⁾ **Hides and Trophies of Disease-Susceptible Wild Animals:**

Before taxidermy processing, one of the following procedures must be applied:

- a) Boiling in water for an appropriate duration to remove all materials except bone, horn, hoof, claw, antler, or tooth, or
- b) Gamma irradiation at a dose of at least 20 kilograms at room temperature (20°C or higher), or
- c) Immersion in a 4% (weight/volume) sodium carbonate (Na_2CO_3) solution, maintaining a pH of 11.5 or above for at least 48 hours with agitation, or
- d) Immersion in a formic acid solution (containing 100 kg salt [NaCl] and 12 kg formic acid per 1000 liters of water) at a pH below 3.0 for at least 48 hours with agitation, or
- e) Raw hides treated with salt (NaCl) containing 2% sodium carbonate (Na_2CO_3) for at least 28 days.

NOTE: Animal products marked with (1), (2), (3), (4), (5), (6), (7), (8), and (9) are subject to import restrictions. However, they may be imported if they undergo one or more of the treatments specified under (1), (2), (3), (4), (5), (6), (7), (8), or (9). The applied treatment(s) must be explicitly stated, and the exporting country's Veterinary Services must certify in the Health Certificate that all necessary precautions have been taken to prevent Foot-and-Mouth Disease virus contamination post-treatment.