

3

Animal Product
Manual

Reference

Hides and Related By-Products

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Introduction

The *Hides and Related By-Products* section covers parts and by-products that come from the exterior of animals and birds. Following are examples of hides and related by-products:

- ◆ Bristles (of swine)
- ◆ Capes (with or without feathers)
- ◆ Feathers **only**
- ◆ Hair
- ◆ Hides
- ◆ Rawhide
- ◆ Skins
- ◆ Wool (of sheep)

Not covered in this section are the following animal products and by-products:

- ◆ Animal glue and glue stock made from hide. May be imported as granules, flakes, or powder. Regulate as hide glue under **Animal Waste and Related By-Products**
- ◆ Hides and related by-products imported as trophies or that have been processed. Consider hides or skins attached to carcasses as trophies; regulate these products under **Trophies**
- ◆ Meals derived from exterior animal parts and ground hides; regulate these products under **Animal Waste and Related By-Products**
- ◆ Rawhide (as such, chopped, extruded, or coated) imported as toys or food for pets; regulate such products under **Pet Food, and Livestock, Poultry, and Aquaculture Feed**
- ◆ Collagen casings made from collagen obtained from hides; regulate such products under **Casings**



Since anthrax may be acquired by handling contaminated hides, wool, hair, or other similar material, carefully inspect such articles. Wear gloves and a face mask when handling these articles; and wash your hands thoroughly following handling. See the **Glossary** for more information about anthrax.

When a VS permit authorizes entry of bones or related by-products, match the following information on the shipping documents with that on the permit:

- ◆ Current date
- ◆ Description of the material
- ◆ Shipper
- ◆ Consignee
- ◆ Conditions spelled out on the permit

Follow **Table 3-7-1** as you match the permit with the shipping documents.

TABLE 3-7-1 Validate Importation Authorized Entry by a VS Permit

If the shipping documents:	And the:	Then:
Match the permit	→	RELEASE or CONTROL as stated on the permit
Do not match the permit	Permit has expired	<ol style="list-style-type: none"> DO NOT RELEASE the HOLD HAVE the consignee contact VS, TTSPS (see Importation Authorized Entry by VS Permits on page 2-4-25) SAFEGUARD the importation until you hear from VS, TTSPS
	Discrepancy is other than an expired permit	<ol style="list-style-type: none"> DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

Locator

When a VS permit does **not** accompany an importation of hides or related by-products, use [Table 3-7-2](#) to determine the appropriate regulatory action to take.

TABLE 3-7-2 Where to Find Regulatory Action on Hides and Related By-Products Not Authorized by a VS Permit

If the hides or their by-products are:	And the importation is being entered as:	Then:
Rawhide	Other than pet food or toys ¹	RELEASE
<ul style="list-style-type: none"> ◆ Capes ◆ Hides ◆ Skins 	→	GO to Table 3-7-3
Feathers only	→	GO to Table 3-7-11
<ul style="list-style-type: none"> ◆ Bristles ◆ Hair ◆ Wool 	→	GO to Table 3-7-12

1 Rawhide chews, toys, and pet paraphernalia are regulated under [Pet Food, and Livestock, Poultry, and Aquaculture Feed on page 3-18-1](#).

Hides, Skins, and Capes

TABLE 3-7-3 Regulatory Action on Hides, Skins, and Capes

If the importation is:	And is from:	Then:
Leather	→	RELEASE
Tanned hides, skins, or capes		
Chrome-tanned hides, skins, or capes		
Hard-dried or flint-dried hides, skins, or capes	Goat, lamb, or sheep	GO to Table 3-7-5
	Other than goat, lamb, or sheep	GO to Table 3-7-4
<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Fresh hides may also harbor noxious weeds.</p> </div> </div> <p>Important</p>	Swine	GO to Table 3-7-6
	Ruminants	GO to Table 3-7-7
	Birds	GO to Table 3-7-10
	Animals other than listed above	RELEASE

Hard-Dried or Flint-Dried Untanned Hides or Skins of Animals Other Than Goat, Lamb, or Sheep

The hides or skins must be dried to the extent that they look brittle enough to crack if bent.

TABLE 3-7-4 Regulatory Action on Hard-Dried or Flint-Dried Untanned Hides or Skins of Animals Other Than Goat, Lamb, or Sheep

If from:	And the region of origin is known to be:	Then:
Swine	Affected with ASF	GO to Table 3-7-6
	Free from ASF	RELEASE
Ruminants other than goat, lamb or sheep	→	
Birds	→	
Other than an animal class listed in the three cells above	→	

Hard-Dried or Flint-Dried Untanned Hides or Skins of Goat, Lamb, or Sheep

The hides or skins must be dried to the extent that they look brittle enough to crack if bent.

Hard-dried or flint-dried hides or skins of goat, sheep, or lamb from countries where the khapra beetle are endemic must be inspected for this pest to prevent its entry. Because of a higher risk of khapra beetle on hides and skins from India and Sudan, a mandatory fumigation for this pest is required.

TABLE 3-7-5 Regulatory Action on Hard-Dried or Flint-Dried Untanned Hides or Skins of Goat, Lamb, or Sheep

If the importation originated in or transited:	And upon inspecting the hides or skins you:	Then:
Afghanistan, Algeria, Bangladesh, Burkina Faso, Cyprus, Egypt, Iran, Iraq, Israel, Libya, Mali, Mauritania, Morocco, Myanmar (Burma), Niger, Nigeria, Pakistan, Saudi Arabia, Senegal, Sri Lanka, Syria, Tunisia, or Turkey	Find khapra beetle	REQUIRE treatment, following T416 ¹ in the <i>Treatment Manual</i>
	Do not find khapra beetle	RELEASE
India or Sudan	—————→	1. REQUIRE a written permit (7 CFR 319.75) issued by PPQ's Permit Services Branch of Biological and Technical Services in Riverdale, MD 2. REQUIRE treatment, following T416 ¹ in the <i>Treatment Manual</i>
A country other than one listed above	—————→	RELEASE

1 Advise the importer that this treatment with methyl bromide may result in foul odors because of the fumigant reacting with proteins in the hides or skins. Once formed, these disagreeable odors may be difficult or impossible to remove.

Hides, Skins, or Capes of Swine

TABLE 3-7-6 Regulatory Action on Hides, Skins, or Capes of Swine

If the country of origin is known to be:	And the importation is:	Then:
Free from ASF	→	GO to Table 3-7-7
Affected with ASF	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
	Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

Untanned Hides, Skins, or Capes of Ruminants or Swine

TABLE 3-7-7 Regulatory Action on Untanned Hides, Skins, or Capes of Ruminants or Swine

If the region of origin is known to be:	And the hides, skins, or capes are:	Then:
Free from FMD	→	RELEASE  Important Be aware of ticks on fresh hides, primarily from Mexico. (see Table 3-17-6)
Affected with FMD	Moist or salted and packed in bundles or on pallets	GO to Table 3-7-8
	Not soaking in a solution (usually referred to as wet salted or green salted)	
	Soaking in a salt solution containing mineral acid	GO to Table 3-7-9
	Pickled and packed in barrels, casks, plastic bags, or tight cases	RELEASE
	◆ Dehaired from being treated with lime ◆ Pliable ◆ Obviously processed (usually referred to as blue-chrome)	

Untanned Hides, Skins, or Capes of Ruminants and Swine from a Region of Origin Known to Be Affected with FMD and Packed in Bundles

Untanned hides, skins, or capes of ruminants and swine from a region of origin known to be affected with FMD, and packed in bundles are **not** dried to the extent that they look brittle enough to crack if bent. They are moist or salted and packed in bundles or on pallets and are usually referred to as wet salted or green salted. They are **not** soaking in a solution; therefore, it is impossible to collect 5 ml of solution for testing (see [Table 3-7-9](#)).

TABLE 3-7-8 Regulatory Action on Untanned Hides, Skins, or Capes of Ruminants and of Swine from a Region of Origin Known to Be Affected with FMD and Packed in Bundles

If the importation is:	Then:
Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

Untanned Hides, Skins, or Capes of Ruminant and Swine from a Region of Origin Known to Be Affected with FMD and Pickled in Salt Solution Containing Mineral Acid

Untanned hides, skins, or capes of ruminant and swine from a region of origin known to be affected with FMD and pickled in salt solution containing mineral acid are contained so that at least 5 ml (about a teaspoon) can be collected. (These hides, skins, or capes are usually pickled in a salt solution containing mineral acid and packed in barrels, casks, tight cases, or plastic bags).

PPQ must test the pH level using a pH determination paper strip. Paper strips can be purchased at medical supply stores. The paper strips must be able to determine a pH level between 4 and 9. Follow the directions that accompany the paper strips.

TABLE 3-7-9 Regulatory Action on Untanned Hides, Skins, or Capes of Ruminant and of Swine from a Region of Origin Known to Be Affected with FMD, Which Are Pickled in a Salt Solution Containing Mineral Acid

If the pH level is:	And the importation is:	Then:
Less than or equal to 5.0	→	RELEASE
Greater than 5.0	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
	Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

Untanned Skins or Capes of Birds with or without Feathers

TABLE 3-7-10 Regulatory Action Untanned Skins or Capes of Birds with or without Feathers

If the region of origin is known to be:	And the importation is:	Then:
Free from END		RELEASE
Affected with END	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
	Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options, including applying for a VS permit (see page 2-4-26)

Feathers Only

TABLE 3-7-11 Regulatory Action on Feathers Only

If the feathers are:	And the importation is:	Then:
Free from blood, skin, and manure		RELEASE
Contaminated with blood, skin, or manure	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
	Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

Wool, Hair, and Bristles

TABLE 3-7-12 Regulatory Action on Wool, Hair, and Bristles

If the source of the wool ¹ , hair, or bristles is:	And when inspected, the articles are:	And the region of origin is known to be:	And the articles:	Then:
<ul style="list-style-type: none"> ◆ Ruminant (for example alpaca bison camel cow deer goat sheep vicuna yak) ◆ Swine (for example boar peccary pig) 	Free from blood stains	Free from FMD	→	RELEASE
		Affected with FMD	Have been scoured, thoroughly washed, or dyed	GO to Table 3-7-13
			Have not been scoured, washed, or dyed	
	Bloodstained	→	Are consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
		→	Are not consigned to an approved establishment	<ol style="list-style-type: none"> 1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
◆ Neither a ruminant nor a swine (badger, beaver, cat, dog, fox, hare, rabbit, sable, seal squirrel, or weasel for example)			→	RELEASE

1 Wool comes only from ruminants such as the alpaca, goat, or sheep.

Ruminant or Swine Wool, Hair, or Bristles Free from Blood Stains, but Not Washed, Scoured, or Dyed and from a Region of Origin Known to Be Affected with FMD

TABLE 3-7-13 Regulatory Action on Wool, Hair, or Bristles Free from Blood Stains, but Not Washed, Scoured, or Dyed and from a Region of Origin Known to Be Affected with FMD

If the articles are:	And are:	Then:
Free from contamination by manure or dunglocks (but if the article is wool, may show grease tags)	→	RELEASE
Lightly contaminated (less than 20 percent) with manure	Wool	GO to Table 3-7-14
	Bristles or hair	GO to Table 3-7-15
Heavily contaminated (more than 20 percent) with manure (if in wool, called dunglocks)	→	

TABLE 3-7-14 Regulatory Action on Wool Lightly Contaminated with Manure

If the wool:	Then:
Is accompanied by a certificate from the agency responsible for animal health in the exporting region or a declaration from the exporter that verifies the wool is sheep body wool, farm or full skirted	RELEASE
Lacks the certification or declaration described in the cell above	GO to Table 3-7-15

TABLE 3-7-15 Regulatory Action on Ruminant or Swine Wool, Hair, or Bristles Heavily Contaminated with Manure; Hair or Bristles Lightly Contaminated with Manure; or Wool Lightly Contaminated with Manure without Certification as Body Wool

If the importation is:	Then:
Consigned to an approved establishment	AUTHORIZE shipment under seal with VS Form 16-78 (see Appendix K to complete form)
Not consigned to an approved establishment	<ol style="list-style-type: none"> 1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)