

3

Animal Product
Manual

Reference

Pet Food, and Livestock, Poultry, and Aquaculture Feed

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Introduction

The *Pet Food, and Livestock, Poultry, and Aquaculture Feed* section covers pet food (generally for cats and dogs), feed (food for livestock or poultry), and pet chews and toys.



Animal products might be offered for entry under descriptions that may be misleading or appear to **not** be subject to prohibition, such as additive, adhesive, feed/food additive, fertilizer, nutritional supplement, or supplement. Carefully scrutinize descriptions for prohibited products.

Feed Ingredients

Feed may contain a diverse cross section of animal products in their ingredients, as follows:

- ◆ Animal product ingredients
 - ❖ Animal fat
 - ❖ Blood meal
 - ❖ Bone meal
 - ❖ Feather meal
 - ❖ Meat meal
 - ❖ Poultry meal
 - ❖ Tankage
- ◆ Animal waste ingredients
 - ❖ Hydrolyzed hair
 - ❖ Poultry feathers
 - ❖ Poultry waste and litter
 - ❖ Urea
- ◆ Milk product ingredients
 - ❖ Buttermilk (dried, feed grade)
 - ❖ Casein
 - ❖ Caseinate
 - ❖ Whey and its by-products

Likewise, pet chews and toys may be made from a diverse variety of animal products and by-products:

- ◆ Bones
- ◆ Ears
- ◆ Horns
- ◆ Hooves
- ◆ Ligaments
- ◆ Pizzles
- ◆ Snouts
- ◆ Rawhide

Pet food may contain the same ingredients as feed. Pet food may be dry, semi-moist, or moist. Pet food can be made from meat, organs, or other by-products from cattle, chicken, pork, or lamb.

Pet food and feed usually contain rendered products. Most of the ingredients previously listed are rendered products.



Rendered products and processed protein products including ruminant blood meal from countries affected with BSE are **prohibited** entry unless accompanied by a VS-issued permit.

Ingredients That May Be in Canned, Shelf-Stable Pet Food

Canned, shelf-stable pet food can **no longer** be released **without** restriction since the pet food may contain processed animal fat, bone meal, meat meal, and by-products that are regulated because of BSE. Moreover, canned, shelf-stable seafood varieties of pet food most often contain beef by-products or poultry by-products or both as ingredients. **Never** assume that seafood varieties contain **only** seafood. Similarly, poultry varieties of pet food may contain ruminant derivatives and meat by-products.



Before you regulate pet food, know all the ingredients.

Feed Supplements

Feed supplements (nutritive products that are added to feed to produce a more complete feed), and feed additives (non-nutritive products that are added to feed to affect production) may be categorized as follows:

- ◆ Anthelmintics (compounds that are used to control worms and other parasites)

- ◆ Antimicrobial agents (antibiotics and other compounds that inhibit the growth of microorganisms)
- ◆ Antioxidant products that inhibit the oxidation of fats or vitamins
- ◆ Binders (products that promote cohesiveness of pellets)
- ◆ Buffers (compounds that maintain the pH of the digestive tract)
- ◆ Carcass modifiers (products added to increase carcass leanness)
- ◆ Colostrum bolus or powder (compound containing a high level of immunoglobulins)
- ◆ Enzymes (products added to improve digestibility)
- ◆ Flow agents (products that prevent caking and improve flow of feed)
- ◆ Flavorings (products added to improve palatability or mask off-flavors)
- ◆ Hormones
- ◆ Liquid protein (protein product usually containing molasses, vitamins, urea, and trace minerals)
- ◆ Microbes or probiotics (microorganisms themselves)
- ◆ Milk replacer (milk substitute)
- ◆ Mineral and salt licks
- ◆ Vitamins
- ◆ Yeast (organism that improves feed digestion and stabilizes the pH of the digestive tract)

Articles Not Regulated in This Section

The following articles are **not** covered in this section:

- ◆ Animal waste; regulate these ingredients under *[Animal Waste and Related By-Products](#)*
- ◆ Bird feed, **except for** that containing suet; regulate suet under *[Foreign Origin Meat and Meat Products, Ruminants](#)*
- ◆ Blood meal, bone meal, feather meal, hoof or horn meal, or meat meal; regulate these ingredients as rendered products under *[Animal Waste and Related By-Products](#)*
- ◆ Canned, shelf-stable pet food consisting **only** of chopped, dried, ground, or minced fish or shellfish, and other non-animal ingredients such as aspic or gum; such products are unrestricted
- ◆ Feed made wholly from plant material

- ◆ Preserved aquatic worms (e.g., flash-frozen polychaetes or freeze-dried tubifex) have unrestricted entry

Articles Accompanied by a VS-Issued Permit

When a VS permit authorizes entry of the additive, animal food, feed, chew, supplement, or toy, then 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



Make sure that the permittee has signed the permit. If he or she has **not** signed the permit, then return the permit for signature.

Follow [Table 3-18-1](#) as you match the permit with the shipping documents.

TABLE 3-18-1 Validate Importation Authorized Entry by a VS Permit

If the shipping documents:	And the:	Then:
Match the VS permit	→	RELEASE or CONTROL as specified on the permit
Do not match the VS permit	VS permit has expired	<ol style="list-style-type: none"> 1. DO NOT RELEASE the HOLD 2. HAVE the consignee contact VS, TTSPS (see Table 2-2-11 and Table 2-4-17) 3. SAFEGUARD the importation until you hear from VS, TTSPS
	Discrepancy is other than an expired VS permit	<ol style="list-style-type: none"> 1. DO NOT RELEASE the HOLD 2. 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 animal food or feed, use [Table 3-18-2](#) to determine the appropriate regulatory action to take.









Important

In order to regulate pet food, you **must** have a list of ingredients. Ask the importer or the importer's agent to provide you with a list of ingredients. Once you have list of ingredients, use the decision tables that follow.

TABLE 3-18-2 Pet Food, and Livestock, Poultry, and Aquaculture Feed (Including Chews and Toys)

If:	And the country or region of export is:	And the importation is:	And:	Then:	
Pet food (for dogs and cats) ¹ ◆ Canned, shelf-stable ◆ Dry ² ◆ Semi-moist ²	Affected with BSE	From products that contain processed animal proteins	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit	
			Lacks a VS permit	REFUSE ENTRY	
		From products that contain only amphibian, fish, reptile, shellfish, or aquatic species material (does not include oils and meals)	Is accompanied by a producer's or shipper's declaration ³	RELEASE	
			Lacks the producer's or shipper's declaration	REFUSE ENTRY	
	From products other than listed in the cells above	→	REFUSE ENTRY		
Free from BSE	→	GO to Table 3-18-3			
Chews or toys	→	Bones	→	GO to Table 3-18-16	
		Horns or hoofs	→	GO to Table 3-18-17	
		Rawhide	→	GO to Table 3-18-15	
		Other than bones, horns, hoofs, or rawhide (ears, ligaments, pizzles, or snouts)	Poultry	→	GO to Table 3-18-14
			Ratite		
			Ruminant	→	GO to Table 3-18-12
Swine	→		GO to Table 3-18-13		

TABLE 3-18-2 Pet Food, and Livestock, Poultry, and Aquaculture Feed (Including Chews and Toys) (continued)

If:	And the country or region of export is:	And the importation is:	And:	Then:
Feed (for livestock, poultry, and aquaculture)		Blood meal, bone meal, hoof meal, or feather meal		1. REGULATE as a rendered product 2. GO to Animal Waste and Related By-Products on page 3-2-1
		Other than meal listed in the cell above		GO to Table 3-18-19
Feed additive or supplement				GO to Table 3-18-24
Altogether without animal-derived ingredients (such as grain, oilseed, or roughage)				1. If appropriate, APPLY the plant quarantine 2. RELEASE
Other than described above				1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

- 1 If a small amount of food is in a cage with dogs, cats, or laboratory animals, then removing the pet food from the cage is **not** necessary.
- 2 Dry or semi-moist pet food refers to that manufactured using an expander. Raw materials are blended. The blend is fed into an expander, and steam or hot water is added. The blended material is subjected to steam heat to around 305° F and pressure. The mixture is then extruded through dies that determine the final shape of the product, and is finally cooked at high temperature and pressure. The extruded food is allowed to dry. Once the food is dried, then the food is usually sprayed with fat or blood to make more palatable.
- 3 A declaration which provides, in a clear and concise manner, the following information:
 - Identification of the material and species of origin
 - Material **does not** include any avian, equine, ruminant, or swine species or their materials (such as transport media or stabilizers)

Canned, Shelf-Stable or Dry or Semi-Moist Pet Food from Countries Free from BSE

TABLE 3-18-3 Canned, Shelf-Stable or Dry or Semi-Moist Pet Food from Countries Free from BSE

If:	And the country or region of export is:	And is from:	And the product contains:	And:	Then:
<ul style="list-style-type: none"> ◆ Canned, shelf stable pet food ◆ Dry pet food ◆ Semi-moist pet food 	Free from BSE	Australia	Only amphibian, fish, reptile, shellfish, or aquatic species material (does not include oils and meals)	Is accompanied by a producer's or shipper's declaration ¹	RELEASE
				Lacks the producer's or shipper's declaration ¹	REFUSE ENTRY
			Products other than the cell above	Is accompanied by the appropriate certificate ²	RELEASE
				Lacks both the certification ²	REFUSE ENTRY
		New Zealand	Only amphibian, fish, reptile, shellfish, or aquatic species material (does not include oils and meals)	Is accompanied by a producer's or shipper's declaration ¹	RELEASE
				Lacks the producer's or shipper's declaration ¹	REFUSE ENTRY
			Products other than the cell above	Is accompanied by the appropriate certification ³	RELEASE
				Lacks both the certification ³	REFUSE ENTRY
<ul style="list-style-type: none"> ◆ Canned, shelf stable pet food ◆ Dry pet food ◆ Semi-moist pet food 	Free from BSE	Other than Australia or New Zealand		Amphibian, fish, reptile, shellfish, or aquatic species	GO to Table 3-18-4
				Poultry	GO to Table 3-18-6
				Ruminant	GO to Table 3-18-8
				Swine	GO to Table 3-18-10
				Animal source cannot be determined	Contact PPQ-VRS-AQI or PPQ-VRS-HQ personnel (see Appendix H)


- 1 A declaration which provides, in a clear and concise manner, the following information:
 - ◆ Identification of the material and species of origin
 - ◆ Material **does not** include any avian, equine, ruminant, or swine species or their materials (such as transport media or stabilizers)
- 2 Original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 3 Either one of the following:
 - ◆ Export certificate that states the following:
 - ◆ The product is of New Zealand origin
 - ◆ Original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or other wise processed in a region listed in 9 CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)



Canned, shelf-stable pet food containing fish or shellfish that is chopped, dried, ground, or minced with other non-animal ingredients such as aspic or gum is **unrestricted**.

Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Amphibian, Fish, Reptile, Shellfish, or Aquatic Species from a Country Free from BSE

TABLE 3-18-4 Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Amphibian, Fish, Reptile, Shellfish, or Aquatic Species from a Country Free from BSE

If:	And the country or region of export is:	And the product contains:	And:	Then:
Canned, shelf-stable pet food derived from amphibian, fish, reptile, shellfish, or aquatic species	Free from BSE	Processed animal proteins	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Only amphibian, fish, reptile, shellfish, or aquatic species material not listed in the cell above (does not include oils and meals)	Is accompanied by a producer's or shipper's declaration ¹	RELEASE
			Lacks the producer's/shipper's declaration ¹	REFUSE ENTRY
Dry or semi-moist pet food derived from fish or shellfish	Free from BSE			GO to Table 3-18-5

1 A declaration which provides, in a clear and concise manner, the following information:

- ◆ Identification of the material and species of origin
- ◆ Material **does not** include any avian, equine, ruminant, or swine species or their materials (such as in transport media or stabilizers)

Dry or Semi-Moist Pet Food Derived from Fish or Shellfish from a Country Free from BSE

TABLE 3-18-5 Dry or Semi-Moist Pet Food Derived from Fish or Shellfish from a Country Free from BSE

If:	And the country or region of export is:	And the product contains:	And the importation:	Then:
Dry or semi-moist pet food derived from amphibian, fish, reptile, shellfish, or aquatic species	Free from BSE	Processed animal proteins	Is accompanied by a VS permit	RELEASE
			Lacks a VS permit	REFUSE ENTRY
		Only amphibian, fish, reptile, shellfish, or aquatic species material not listed in the cell above (does not include oils and meals)	Is accompanied by a producer's or shipper's declaration ¹	RELEASE
			Lacks the producer's/shipper's declaration ¹	REFUSE ENTRY
		Combination of amphibian, fish, reptile, shellfish or aquatic species products (does not include oils or meals) with ruminant by-products	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of amphibian, fish, reptile, shellfish or aquatic species products (does not include oils or meals) with poultry by-products	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of amphibian, fish, reptile, shellfish or aquatic species products (does not include oils or meals) with swine by-products	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY

1 A declaration which provides, in a clear and concise manner, the following information:

- ◆ Identification of the material and species of origin
- ◆ Material **does not** include any avian, equine, ruminant, or swine species or their materials (such as in transport media or stabilizers)

Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Poultry from a Country Free from BSE

TABLE 3-18-6 Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Poultry from a Country Free from BSE

If the product is:	And the country or region of export is:	And the importation:	Then:
Canned, shelf stable pet food derived from poultry (may contain poultry, poultry by-products, ruminant by-products, meat by-products, or animal fat)	Free from BSE	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY
Dry or semi-moist pet food derived from poultry	Free from BSE	→	GO to Table 3-18-7


Dry or Semi-Moist Pet Food Derived from Fowl or Poultry from a Country Free from BSE

TABLE 3-18-7 Dry or Semi-Moist Pet Food Derived from Fowl or Poultry from a Country Free from BSE

If:	And the country or region of export is:	And the product contains:	And:	Then:
Dry or semi-moist pet food derived from fowl or poultry	Free from BSE	Poultry material only , with other non-animal derived ingredients	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of poultry with ruminant by-products, ruminant meat by-products, and/or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of poultry material products with swine by-products, swine meat by-products, and/or swine animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY

Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Ruminant Material from a Country Free from BSE

TABLE 3-18-8 Canned, Shelf-Stable, or Dry or Semi-Moist Pet Food Derived from Ruminant Material from a Country Free from BSE

If:	And the country or region of export is:	And the shipment:	Then:
Canned, shelf stable pet food derived from ruminant material ¹	Free from BSE	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY
Dry or semi-moist pet food derived from ruminant material ¹	Free from BSE		GO to Table 3-18-9

1 Beef, veal, lamb, or venison; or beef, veal, lamb, or venison by-products; or animal fat.

Dry or Semi-Moist Pet Food Derived from Ruminants from a Country of Origin Free from BSE

TABLE 3-18-9 Dry or Semi-Moist Pet Food Derived from Ruminants from a Country Free from BSE

If:	And the country or region of export is:	And the product contains:	And:	Then:
Dry or semi-moist pet food derived from ruminants	Free from BSE	Ruminant material only (beef, lamb, veal, venison, or animal fat, bone, or meat meal)	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY	
		Combination of poultry material with ruminant by-products, ruminant meat by-products, or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY	
		Combination of swine material with ruminant by-products, ruminant meat by-products, or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY	

Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Swine Material from a Country Free from BSE

TABLE 3-18-10 Canned, Shelf-Stable or Dry or Semi-Moist Pet Food Derived from Swine Material from a Country Free from BSE

If the product is:	And the country or region of export is:	And:	Then:
Canned, shelf stable pet food derived from swine material (may contain swine, swine by-products, ruminant by-products, ruminant meat by-products, or ruminant animal fat)	Free from BSE	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY
Dry or semi-moist pet food derived from swine material	Free from BSE	→	GO to Table 3-18-11

Dry or Semi-Moist Pet Food Derived from Swine from a Country Free from BSE

TABLE 3-18-11 Dry or Semi-Moist Pet Food Derived from Swine from a Country Free from BSE

If:	And the country or region of export is:	And the product is derived from:	And:	Then:
Dry or semi-moist pet food derived from swine	Free from BSE	Swine (pork) material only	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Combination of swine, poultry, or ruminant by-products, meat by-products, or animal fat	Lacks a VS permit	REFUSE ENTRY
			Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	REFUSE ENTRY	

Pet Chews and Toys Crafted or Manufactured from Animal By-Products



Wash your hands after handling pet chews and toys. Certain dog chews, particularly hooves and those made of pig ears, may be contaminated with salmonella.

Pet chews and toys may be made from equine, poultry, ruminant, or swine parts. Parts include bones, ears, hooves, horns, ligaments, organs, pizzles, rawhide, or skins.

Ruminant Derived Pet Chews or Toys Made from Other Than Bones, Hoofs, Horns, or Rawhide

TABLE 3-18-12 Ruminant Derived Pet Chews or Toys Made from Other Than Bones, Hoofs, Horns, or Rawhide

If:	And the country or region of export is:	And the country of origin is:	And the importation is:	And:	Then:	
Ruminant-derived pet chews or toys made from other than bones, hoofs, horns, or rawhide	Affected with BSE only	→	→	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit	
				Lacks a VS permit	REFUSE ENTRY	
	Affected with BSE in combination with FMD	→	→	→	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
					Lacks a VS permit	REFUSE ENTRY
	Minimal risk for BSE ¹ , but free from FMD	→	→	→	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
					Lacks a VS permit	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
	Affected with FMD only	→	→	Fresh or frozen	Is consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
				→	Is 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)
				Processed	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
				Lacks a VS permit	REFUSE ENTRY	
	Free from both BSE and FMD	New Zealand	→	→	Is appropriately certified ²	RELEASE
					Lacks certification ²	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
Other than New Zealand		→	→	→	Is appropriately certified ³	RELEASE
					Lacks certification ³	REFUSE ENTRY

- 1 Currently Canada is the **only** country considered to be at minimal risk for BSE.
- 2 **Either** one of the following:
 - ◆ Export certificate that states the following:
 - ◆ The product is of New Zealand origin
 - ◆ The animal-derived products or components have been imported from *[name of country]* and meet the requirements listed in 9CFR 95.29
 - ◆ The animal-derived products or components are being re-exported from the United States
 - ◆ Original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 3 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Swine Derived Pet Chews or Toys Made from Other Than Bones or Hoofs

TABLE 3-18-13 Pet Chews or Toys Made from Swine Ears, Ligaments, Snouts, or Other Parts

If:	And the country or region of export is:	And:	And:	Then:
Pet chews or toys made from swine ears, ligaments, snouts, or other parts	Free from ASF, BSE, CSF, FMD, and/or SVD	The origin is New Zealand	Is accompanied by the appropriate certification ¹	RELEASE
			Lacks certification ¹	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
		The origin is other than New Zealand	Is accompanied by the appropriate certification ²	RELEASE
			Lacks certification ²	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
	Affected with ASF, BSE, CSF, FMD, and/or SVD	Fresh or frozen	Is consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
			Is 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)
Processed		Is accompanied by a VS issued permit	RELEASE or CONTROL as specified on the permit	
		Lacks a VS permit	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)	

1 **Either** one of the following:

- ◆ Export certificate stating the following:
 - ◆ The product is of New Zealand origin
 - ◆ The animal-derived products or components have been imported from *[name of country]* and meet the requirements listed in 9CFR 95.29
 - ◆ The animal-derived products or components are being re-exported from the United States

- ◆ Original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

- 2 An **original** certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Pet Chews or Toys Made from Poultry or Ratite Parts

TABLE 3-18-14 Pet Chews or Toys Made from Poultry or Ratite Parts

If:	And the country or region of export is:	And the origin is:	And the importation is:	And:	Then:
Pet chews or toys made from poultry or ratite parts	<ul style="list-style-type: none"> ◆ Affected with HPAI (H5N1) only ◆ Affected with HPAI (H5N1) in combination with END 	→	Fresh or frozen	→	REFUSE ENTRY
			Processed	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
				Lacks a VS permit	<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)
	Free from both HPAI (H5N1) and END	New Zealand	→	Is appropriately certified ¹	RELEASE
				Lacks the required certification ¹	<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)
		Other than New Zealand	→	Is appropriately certified ²	RELEASE
Lacks the required certification ¹				<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) 	
Pet chews or toys made from poultry or ratite parts	Affected with END only	→	Fresh or frozen	Is consigned to an approved establishment	AUTHORIZE shipment under seal with VS Form 16-78 (see Appendix K to complete form)
				Is 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)
			Processed	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
				Lacks a VS permit	<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)

- 1 **Either** one of the following:
 - ◆ Export certificate stating the following:
 - ◆ The product is of New Zealand origin
 - ◆ The animal-derived products or components have been imported from *[name of country]* and meet the requirements listed in 9CFR 95.29
 - ◆ The animal-derived components are being re-exported from the United States
 - ◆
 - ◆ Original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 2 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Pet Chews or Toys Made from Rawhide

Rawhide is the untanned, leathery skin of cattle. Rawhide is de-haired, dried, and leathery. If rawhide has been coated or ground up, then the rawhide may be of concern because there is **no** way of knowing what additional ingredients may have been added.



Inspect rawhide chews and toys for meat fibers. Smell the product to determine if there is a strong odor. If you detect meat fibers or smell a strong odor, the product is **not** admissible.

TABLE 3-18-15 Pet Chews or Toys Made from Rawhide

If:	And the rawhide is:	And:	Then:
Pet chews or toys made from rawhide	Plain rawhide	Upon inspection is found to be plain rawhide without added flavoring or coloring	RELEASE
		Upon inspection is found to be other than plain rawhide	1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for advice (see Appendix H)
	Ground, molded, flavored, colored, or otherwise processed	Is accompanied by a certificate of origin ¹ and appropriate certification ²	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
Other than described in the two cells above	—————→		1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for advice (see Appendix H)

- 1 Certificate of origin is an official government document endorsed by a full-time salaried veterinarian of the agency of the exporting country.
- 2 Certification that confirms (a) the articles were made from rawhide, and (b) they contain **no** other ingredients of animal origin except those of U.S. origin.

Pet Chews or Toys Made from Bones, Hoofs, and Horns

This section contains articles imported primarily for dogs to chew on.
Some of the articles may include the following:

- ◆ Bones
- ◆ Hoofs (plain, smoked, or stuffed with rawhide or cheese)
- ◆ Horns
- ◆ Smoked beef knuckles

Pet Chews or Toys Made from Bones

TABLE 3-18-16 Pet Chews or Toys Made from Bones

If:	And derived from:	And the country or region export is:	And:	Then:
Pet chews or pet toys made from bones	Ruminant bones	Affected with BSE	—————→	REFUSE ENTRY
		Affected with BSE and FMD	—————→	REFUSE ENTRY
		Minimal risk for BSE ¹ , but free from FMD	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options listed in Table 2-2-11
		Free from BSE, but affected with FMD	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
	Free from both BSE and FMD	Is accompanied by the appropriate certification ²	RELEASE	
		Lacks certification ²	REFUSE ENTRY	
	Swine	Affected with ASF, CSF, FMD, or SVD individually or in any combination	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Free of ASF, CSF, FMD, and SVD	Is accompanied by the appropriate certification ²	RELEASE
	Lacks certification ²		REFUSE ENTRY	
Other than ruminant or swine	—————→		RELEASE	

- 1 Currently Canada is the **only** country considered to be at minimal risk for FMD.
- 2 A certificate signed by a full-time veterinarian of the agency of the government of the exporting country that is responsible for the animal health, and **must** clearly correspond to the shipment by means of an invoice number, shipping marks, lot number, or other method of identification that states:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR§94.18(a)
 - ◆ Material **did not** originate in and was never stored, rendered, or otherwise processed in a region listed in 9CFR§94.18(a)
 - ◆ Material was not otherwise associated with any of the materials listed in 9CFR§95.29(a)

Pet Chews or Toys Made from Hoofs or Horns from Ruminants

TABLE 3-18-17 Pet Chews or Toys Made from Hoofs or Horns from Ruminants

If the importation is:	And is derived from:	And the country or region of export is:	And the importation:	And:	Then:
Pet chews or toys	Ruminant hoofs or horns	Affected with BSE	—————→		REFUSE ENTRY
		Minimal risk for BSE ¹	Is accompanied by a VS permit	—————→	RELEASE
			Lacks the VS permit	—————→	REFUSE ENTRY
		Free from BSE	Is appropriately certified ²	—————→	RELEASE
			Lacks appropriate certification ²	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete the 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)			
Other than ruminant hoofs or horns	—————→				GO to Table 3-18-18

1 Currently Canada is the **only** country designated at minimal risk for BSE

2 The certificate and certification **must** meet the following criteria:

- ◆ The certificate **must** be endorsed by a full-time, salaried veterinarian of the agency of the government of the exporting country that is responsible for animal health
- ◆ The information on the certificate **must** be in agreement with the shipment as shown by the other number, shipping marks, lot number, or other method of identification
- ◆ One of the following approved methods of processing **must** appear on the certificate:
 - ◆ Dry heat at 180° F (82.2° C) for 30 minutes
 - ◆ Cooking in boiling water for 20 minutes
 - ◆ Soaking for 2 hours in a 0.1 percent solution of chlorine bleach
 - ◆ Soaking for 2 hours in a 5 percent solution of acetic acid
 - ◆ Soaking for 2 hours in a 5 percent solution of hydrogen peroxide

Pet Chews or Toys Made from Hoofs or Horns from Other than Ruminants

TABLE 3-18-18 Pet Chews or Toys Made from Hoofs or Horns from Other than Ruminants

If:	And the hoofs or horns are from:	And:	And:	Then:
Pet chews or toys made from hoofs or horns from other than ruminants	Swine	Is accompanied by a certificate of processing stating that the hoofs or horns were treated by an approved method ¹	→	RELEASE
		Lacks the certificate of processing ²	Is consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete the form)
			Is not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options listed in Table 2-2-11 or apply for a VS permit (see Table 2-4-16)
	Other than swine	→		RELEASE

1 Certificate and certification **must** meet the following criteria:

- ◆ Certificate **must** be endorsed by a full-time, salaried veterinarian of the agency of the government of the exporting country that is responsible for animal health
- ◆ Information on the certificate **must** be in agreement with the shipment as shown by the other number, shipping marks, lot number, or other method of identification
- ◆ One of the following approved methods of processing **must** appear on the certificate:
 - ◆ Dry heat at 180° F (82.2° C) for 30 minutes
 - ◆ Cooking in boiling water for 20 minutes
 - ◆ Soaking for 2 hours in a 0.1 percent solution of chlorine bleach
 - ◆ Soaking for 2 hours in a 5 percent solution of acetic acid
 - ◆ Soaking for 2 hours in a 5 percent solution of hydrogen peroxide

Feed for Livestock, Poultry, and Aquaculture

Feed is defined as materials which are distributed as food or for mixing in a ration for domestic farm and ranch animals such as cattle, sheep, swine, goats, llamas, rabbits, horses, and poultry. Feed also includes those materials distributed for food for aquaculture (to feed fish, alligators, crocodiles, crustaceans, turtles, and shellfish).

Some rations may contain only grains and plant products. If the ingredients list **only** plant-derived material, then these are free from animal product regulations. However, these feeds are subject to plant quarantines. Many rations contain animal products or by-products to supply protein in a ration or to increase palatability.

Feed may contain protein that originated from a mammal, including other livestock, whether rendered or **not**.

EXAMPLE Blood meal, fish meal, meat scraps, or meat meal are examples of protein that may or may **not** have been rendered.

Feed may also have milk, gelatin, waste materials, or animal fat or its derivatives as ingredients.

Since feeds are fed directly to livestock and may come from animal protein and thus contain infective agents of animal diseases (virus, bacteria, prions), feed may require a VS permit.

Continue to [Table 3-18-19](#) on page 3-18-31.

TABLE 3-18-19 Feed for Livestock, Poultry, and Aquaculture

If:	And the list of ingredients shows:	And is from:	And:	And:	Then:
<ul style="list-style-type: none"> ◆ Feed for livestock ◆ Feed for poultry ◆ Feed for aquaculture 	Solely grains and plant products including cubed hay, pelletized hay, screenings, or pelletized screenings	<ul style="list-style-type: none"> ◆ Screenings ◆ Pelletized screenings 	→		REFER to the <i>Miscellaneous and Processed Products Manual</i> and REGULATE as screenings
		Other than screenings	→		1. APPLY plant quarantines as appropriate 2. RELEASE for animal health concerns
	Plant products mixed with animal products		→		1. APPLY animal product regulations first 2. If admissible, then APPLY plant quarantines as appropriate
	Combination of animal products and by-products (examples include fish meal and poultry with ruminant by-products)	Australia	→	Is appropriately certified ¹	RELEASE
Lacks certification ¹			REFUSE ENTRY		
New Zealand		→	Is appropriately certified ²	RELEASE	
		Lacks certification ²	REFUSE ENTRY		
Other than Australia or New Zealand		Is from a country affected with BSE	→		REFUSE ENTRY
		Is from a country at minimal risk for BSE ³	Is accompanied by a VS Import Permit	RELEASE	
			Lacks a VS Import Permit	REFUSE ENTRY	
		Is from a country free from BSE ³	Principle ingredient is amphibian, fish, reptile, shellfish, or aquatic species	GO to Table 3-18-20	
			Principle ingredient is poultry	GO to Table 3-18-21	
Principle ingredient is ruminant			GO to Table 3-18-22		
Principle ingredient is swine	GO to Table 3-18-23				
Principle ingredient cannot be determined	CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel (see Appendix H)				

TABLE 3-18-19 Feed for Livestock, Poultry, and Aquaculture (continued)

If:	And the list of ingredients shows:	And is from:	And:	And:	Then:
Feed for birds or reptiles	Mealworms (dead, freeze-dried)			Is accompanied by a VS Import Permit	RELEASE
				Lacks a VS Import Permit	REFUSE ENTRY

- 1 Original certificate signed by a full-time veterinarian of the agency responsible for animal health in the exporting region, that declares the following:
 - Animal species from which the material was derived
 - Region where any facility in which the material was processed is located
 - Material was derived **only** from animals that have **never** been in any region listed in 9CFR§94.18(a)
 - Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR §94.18(a)
 - Material was **not** otherwise associated with a facility located in a region listed in 9CFR§94.18(a)

- 2 Either **one** of the following:
 - Export certificate that states the product is of New Zealand origin

 - Original certificate signed by a full-time veterinarian of the agency responsible for animal health in the exporting region, that declares the following:
 - Animal species from which the material was derived
 - Region where any facility in which the material was processed is located
 - Material was derived **only** from animals that have **never** been in any region listed in 9CFR§94.18(a)
 - Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR §94.18(a)
 - Material was **not** otherwise associated with a facility located in a region listed in 9CFR§94.18(a)

- 3 Currently Canada is the **only** country designated at minimal risk for BSE.

Feed Containing Fish Meal or Shellfish Meal as an Ingredient from a Country Free from BSE, Except Australia and New Zealand

TABLE 3-18-20 Feed Containing Fish Meal or Shellfish Meal as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

If:	And the country or region of export is:	And the feed contains:	And:	Then:
Feed containing amphibian, fish, reptile, shellfish, or aquatic species as an ingredient	Free from BSE, except for Australia or New Zealand	Fish meal only	Is accompanied by appropriate certification ¹	RELEASE
			Lacks appropriate certification ¹	REFUSE ENTRY
		Fish meal mixed with plant material	Is accompanied by appropriate certification ¹	RELEASE
			Lacks appropriate certification ¹	REFUSE ENTRY
		Shellfish meal only	Is accompanied by appropriate certification ¹	RELEASE
			Lacks appropriate certification ¹	REFUSE ENTRY
		Shellfish meal mixed with plant material	Is accompanied by appropriate certification ¹	RELEASE
			Lacks appropriate certification ¹	REFUSE ENTRY
		Combination of rendered fish products with ruminant by-products	Is accompanied by a VS permit	RELEASE
			Lacks a VS permit	REFUSE ENTRY
		Combination of rendered fish products with poultry by-products	Is accompanied by a VS permit	RELEASE
			Lacks a VS permit	REFUSE ENTRY
Combination of rendered fish products with swine by-products	Is accompanied by a VS permit	RELEASE		
	Lacks a VS permit	REFUSE ENTRY		
Feed containing amphibian, fish, reptile, shellfish, or aquatic species as an ingredient	Free from BSE, except for Australia or New Zealand	Products that contain only amphibian, fish, reptile, shellfish, or aquatic species not listed in one of the cells above (not including oils and meals)	Is accompanied by a producer's or shipper's declaration ²	RELEASE
			Lacks the producer's or shipper's declaration ²	REFUSE ENTRY

- 1 A declaration which provides, in a clear and concise manner, the following information:
 - ◆ The animal species from which the material was derived
 - ◆ The region where any facility in which the material was processed is located
 - ◆ The material was derived **only** from animals that have never been in any region listed in 9CFR94.18(a)
 - ◆ The material **did not** originate in and was never stored, rendered, or otherwise processed in or otherwise associated with a facility in a region listed in 9CFR§94.18(a)
 - ◆ The material was **not** otherwise associated with any of the materials listed in 9CFR95.29(a) which have been in a region listed in 9CFR94.18(a)
- 2 An **original**, written declaration and signed statements on the producer's or shipper's letterhead which states and affirms in a clear and concise manner, the following information:
 - ◆ Identification of the material and species of origin
 - ◆ Material **does not** include any avian, equine, ruminant, or swine species or their materials (such as in transport media or stabilizers)

Feed Containing Fowl or Poultry as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

TABLE 3-18-21 Feed Containing Fowl or Poultry as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

If:	And the country or region of export is:	And the feed contains:	And:	Then:
Feed containing fowl or poultry as an ingredient	Free from BSE, except for Australia or New Zealand	Poultry material only	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Poultry material mixed with plant material	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of poultry with ruminant by-products, ruminant meat by-products, or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks the VS permit	REFUSE ENTRY
		Combination of poultry material with swine by-products, swine meat by-products, or swine animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks the VS permit	REFUSE ENTRY

Feed Containing Ruminant Material as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

TABLE 3-18-22 Feed Containing Ruminant Material as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

If:	And the country or region of export is:	And the feed contains:	And:	Then:
Feed containing ruminant material as an ingredient	Free from BSE, except Australia or New Zealand	Ruminant material only (beef, lamb, or animal fat, bone or meat meal)	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Ruminant material mixed with plant material	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of poultry material with ruminant by-products, ruminant meat by-products, or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of swine material with ruminant by-products, ruminant meat by-products, or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY

Feed Containing Swine as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

TABLE 3-18-23 Feed Containing Swine as an Ingredient from a Country Free from BSE, Except for Australia or New Zealand

If:	And the country or region of export is:	And the feed contains:	And:	Then:
Feed containing swine material as an ingredient	Free from BSE, except for Australia or New Zealand	Swine (pork) material	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Swine material mixed with plant material	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY
		Combination of swine, poultry or ruminant by-products, ruminant meat by-products, or ruminant animal fat	Is accompanied by a VS permit	RELEASE or CONTROL as specified on the permit
			Lacks a VS permit	REFUSE ENTRY

Feed Additives and Feed Supplements

A feed additive is a non-nutritive product that is added to feed to affect production. Additives include antibiotics, hormones, microorganisms (including yeast), and products used to improve the palatability and consistency of the feed to which they are added.

A feed supplement is a nutritive product that is added to feed to produce a more complete feed. Supplements include minerals, proteins, and vitamins.



Minerals and vitamins may be either synthetic (inorganic) or natural (derived from animal products).

TABLE 3-18-24 Feed Additives and Feed Supplements

If:	And the product is:	And:	Then:	
◆ Feed additives	Antibiotic	→	RELEASE	
◆ Feed supplements	Based on dairy products (such as colostrum or milk replacer ¹)	→	REGULATE under <i>Milk and Milk Products</i> on page 3-14-1	
	Hormone	→	REGULATE under <i>Organs</i> on page 3-16-1	
	Microorganism itself ²	→	RELEASE	
	Natural vitamin ³ (A,B,C, D3, etc.) or mineral ³ (calcium, phosphorous, etc.) as the only animal-origin ingredient	Is appropriately certified ⁴		RELEASE
		Lacks certification ⁴		REFUSE ENTRY
	Tallow derivative (e.g., tallow derived: linoleic acid, stearic acid, glycerin, etc.)			RELEASE
	Wholly inorganic ⁵ (anthelmintic, antioxidant, binder, buffer, flow agent, mineral, synthetic flavoring, salt lick, synthetic vitamin, etc.)	→		
Wholly plant based ⁶				

1 Some milk replacers contain animal fat which is a rendered product.

2 Also called probiotics; for example *Bacillus* spp., *Lactobacillus* spp., *Proteus* spp., *Pseudomonas* spp., *Saccharomyces* spp., and *Streptococcus* spp.

3 Derived from animal products.

4 An original certificate issued by a veterinarian employed by the national government or region of origin that states the feed contains **no** animal-origin ingredients except for vitamins and/or minerals. If the shipment originated in Canada, then require an official certificate issued by a Canadian Food Inspection Agency (CFIA) official.

5 Wholly inorganic means synthetic; defined as **not** derived from animal products.

6 Derived from plants; may include some enzymes and flavorings (such as molasses). Documentation from the manufacturer that states that the product is entirely plant based is acceptable.