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TABLE 4
(S. 5)

Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

CHICKENS
TURKEYS
SWINE
DAIRY CATTLE
BEEF CATTLE

SHEEP
HORSES
GOATS
DUCKS AND GEESE
SALMONID FISH

MINK
RABBITS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

CHICKENS	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt(mg/kg)	NRS	5
Copper(mg/kg)	4	125
Iodine(mg/kg)	0.4	10
Iron(mg/kg)	80	750
Manganese(mg/kg)	55	500
Selenium(mg/kg)	NRS	0.3 (added)
Zinc(mg/kg)	65	500
Calcium(%)	0.60(8-20 weeks of age) 0.70(0-8 weeks of age) 2.75(breeding) 3.25(layers)	1.20 (others) 2.50 (prelayer 17-20 weeks of age) 6.00 (layers, breeding)
Phosphorus(%)	0.40(8-20 weeks of age) 0.50 (0-8 weeks of age) (breeding, layers)	1.20 (others) 1.50 (layers, breeding)
Magnesium(%)	0.06	0.3
Sodium(%)	0.15	0.8
Potassium(%)	0.2	2
Sulphur(%)	NRS	NRS
Vitamin A(IU/kg)	1,500 (others) 4,000(breeding, layers)	20,000 (others) 40,000 (breeding, layers)
Vitamin D(IU/kg)	200(others) 500 (breeding, layers)	5,000
Vitamin E(IU/kg)	10	NRS
Vitamin C(IU/kg)	NRS	NRS

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TURKEYS	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	NRS	5
Copper (mg/kg)	6	125
Iodine (mg/kg)	0.4	10
Iron (mg/kg)	60	750
Manganese (mg/kg)	55	500
Selenium (mg/kg)	NRS	0.3 (added)
Zinc (mg/kg)	75	500
Calcium (%)	0.80 (others) 2.25 (breeding)	2.50 (others) 4.00 (breeding)
Phosphorus (%)	0.7	1.2
Magnesium (%)	0.05	0.3
Sodium (%)	0.15	0.40 (0-4 weeks of age) 0.80 (other)
Potassium (%)	0.4	2
Sulphur (%)	NRS	NRS
Vitamin A (IU/kg)	4,000	40,000
Vitamin D (IU/kg)	900	5,000
Vitamin E (IU/kg)	10 (others) 25 (breeding)	NRS
Vitamin C (IU/kg)	NRS	NRS

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SWINE	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	NRS	5
Copper (mg/kg)	6	125
Iodine (mg/kg)	0.2	10
Iron (mg/kg)	40 (others) 80 (breeding) 150 (up to 20 kg body wt)	750
Manganese (mg/kg)	10	200
Selenium (mg/kg)	NRS	0.3 (added)
Zinc (mg/kg)	100	500
Calcium (%)	0.50 (others) 0.75 (breeding, lactating) 0.80 (1-10 kg body wt)	2
Phosphorus (%)	0.60 (1-10 kg body wt) 0.50 (others)	2
Magnesium (%)	0.04	0.3
Sodium (%)	0.10 (others) 0.15 (breeding) 0.20 (lactating)	0.8
Potassium (%)	0.2	2
Sulphur (%)	NRS	NRS
Vitamin A (IU/kg)	1,300 (20kg - market) 2,000 (others) 4,000 (breeding)	20,000
Vitamin D (IU/kg)	125 (60-100 kg) 200 (others)	1,500
Vitamin E (IU/kg)	10	NRS
Vitamin C (IU/kg)	NRS	NRS

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DAIRY CATTLE	LIMIT	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	0.1	10
Copper (mg/kg)	10	100
Iodine (mg/kg)	0.25 (others) 0.5 (lactating)	10
Iron (mg/kg)	50 (others) 100 (starter)	750
Manganese (mg/kg)	40	300
Selenium (mg/kg)	NRS	0.3 (added)
Zinc (mg/kg)	40	500
Calcium (%)	0.4	2.5
Phosphorus (%)	0.3	1.3
Magnesium (%)	0.07 (starter) 0.16 (others) 0.20 (lactating)	1
Sodium (%)	0.10 (others) 0.18 (lactating)	2.4
Potassium (%)	0.8	3
Sulphur (%)	0.1	0.4
Vitamin A (IU/kg)	2,200 (others) 3,200 (breeding, lactating)	200,000 IU/day
Vitamin D (IU/kg)	300	33,000 IU/day
Vitamin E (IU/kg)	NRS	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

BEEF CATTLE	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	0.1	10
Copper (mg/kg)	4	50
Iodine (mg/kg)	0.1	10
Iron (mg/kg)	10	750
Manganese (mg/kg)	20	200
Selenium (mg/kg)	NRS	0.3 (added)
Zinc (mg/kg)	20	250
Calcium (%)	0.18	2
Phosphorus (%)	0.18	1
Magnesium (%)	0.04 (others) 0.18 (breeding, lactating)	0.5
Sodium (%)	0.06	1.2
	(The maximum for sodium does not apply to beef cattle and sheep feeds designed to be used to limit or regulate feed intake. A statement to the effect that adequate water must be provided shall be part of the directions for use.)	
Potassium (%)	0.6	3
Sulphur (%)	0.1	0.4
Vitamin A (IU/kg)	2,200 (others) 2,800 (dry pregnant cows) 3,900 (breeding, lactating)	100,000 IU/day
Vitamin D (IU/kg)	275	33,000 IU/day
Vitamin E (IU/kg)	15	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

SHEEP	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	0.1	10
Copper (mg/kg)	NRS	8 (added)
Iodine (mg/kg)	0.1 (others) 0.8 (lactating)	10
Iron (mg/kg)	30	250
Manganese (mg/kg)	20	200
Selenium (mg/kg)	NRS	0.3 (added)
Zinc (mg/kg)	35	150
Calcium (%)	0.21	2
Phosphorus (%)	0.16	0.6
Magnesium (%)	0.04	0.5
Sodium (%)	0.04	1.2
	(The maximum for sodium does not apply to beef cattle and sheep feeds designed to be used to limit or regulate feed intake. A statement to the effect that adequate water must be provided shall be part of the directions for use.)	
Potassium (%)	0.5	3
Sulphur (%)	0.1	0.4
Vitamin A (IU/kg)	1,400 (others) 3,000 (lactating)	75,000 IU/day
Vitamin D (IU/kg)	300 (breeding, lactating) 150 (others)	7,500 IU/day
Vitamin E (IU/kg)	10	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

HORSES	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	0.1	10
Copper (mg/kg)	9	125
Iodine (mg/kg)	0.1	2.5
Iron (mg/kg)	50	500
Manganese (mg/kg)	40	400
Selenium (mg/kg)	NRS	NRS
Zinc (mg/kg)	40	500
Calcium (%)	0.4 (others) 0.6 (breeding, weaned horses to 12 months of age) 0.8 (starter)	2
Phosphorus (%)	0.3 (others) 0.45 (breeding, weaned horses to 12 months of age) 0.55 (starter)	2
Magnesium (%)	0.1	0.3
Sodium (%)	0.35	1.2
Potassium (%)	0.5	3
Sulphur (%)	0.15	NRS
Vitamin A (IU/kg)	3,000	40,000
Vitamin D (IU/kg)	275	5,000
Vitamin E (IU/kg)	15	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

GOATS	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	0.1	10
Copper (mg/kg)	10	40
Iodine (mg/kg)	0.2	10
Iron (mg/kg)	50	500
Manganese (mg/kg)	40	200
Selenium (mg/kg)	NRS	0.3 (added)
Zinc (mg/kg)	50	250
Calcium (%)	0.4	2
Phosphorus (%)	0.3	1
Magnesium (%)	0.2	0.5
Sodium (%)	0.2	1.2
Potassium (%)	0.5 (others) 0.8 (lactating)	NRS
Sulphur (%)	0.16	NRS
Vitamin A (IU/kg)	3,000	40,000
Vitamin D (IU/kg)	500	3,000
Vitamin E (IU/kg)	30	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

DUCKS AND GEESE	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	NRS	5
Copper (mg/kg)	9	125
Iodine (mg/kg)	0.4	10
Iron (mg/kg)	100	750
Manganese (mg/kg)	40	500
Selenium (mg/kg)	NRS	0.3 (ADDED)
Zinc (mg/kg)	70	500
Calcium (%)	0.6 (others) 0.8 (starter) 2.25 (breeding geese) 2.75 (breeding ducks)	1.5 (others) 4.0 (breeding)
Phosphorus (%)	0.60 (others) 0.65 (starter)	1.2
Magnesium (%)	0.06	0.3
Sodium (%)	0.15	0.4 (starters) 0.8 (others)
Potassium (%)	0.4	2
Sulphur (%)	NRS	NRS
Vitamin A (IU/kg)	4,000	40,000
Vitamin D (IU/kg)	500	5,000
Vitamin E (IU/kg)	10 (other) 20 (breeding)	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

SALMONID FISH	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	NRS	NRS
Copper (mg/kg)	5	75
Iodine (mg/kg)	5	20
Iron (mg/kg)	50	500
Manganese (mg/kg)	20	150
Selenium (mg/kg)	NRS	0.1 (added)
Zinc (mg/kg)	75	300
Calcium (%)	0.5	3
Phosphorus (%)	1	2.5
Magnesium (%)	0.1	0.3
Sodium (%)	0.2	1.2
Potassium (%)	0.7	1.3
Sulphur (%)	NRS	NRS
Vitamin A (IU/kg)	2,500	25,000
Vitamin D (IU/kg)	2,400	10,000
Vitamin E (IU/kg)	30	NRS
Vitamin C (IU/kg)	100	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

MINK	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	NRS	NRS
Copper (mg/kg)	4.5	100
Iodine (mg/kg)	0.2	20
Iron (mg/kg)	60	700
Manganese (mg/kg)	40 (others) 44 (breeding)	NRS
Selenium (mg/kg)	NRS	NRS
Zinc (mg/kg)	60 (others) 66 (breeding)	500
Calcium (%)	0.3 (others) 0.4 (growing, breeding) 0.6 (lactating)	3
Phosphorus (%)	0.3 (others) 0.4 (growing, breeding) 0.6 (lactating)	2.5
Magnesium (%)	0.04	NRS
Sodium (%)	0.2	0.8
Potassium (%)	0.2 (others) 0.3 (growing, breeding)	NRS
Sulphur (%)	NRS	NRS
Vitamin A (IU/kg)	6,000	60,000
Vitamin D (IU/kg)	500	25,000
Vitamin E (IU/kg)	25	NRS
Vitamin C (IU/kg)	NRS	NRS

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Range of Nutrient Guarantees for Complete Feeds for Use in the Exemption of Feeds from Registration

RABBITS	LIMITS	
	MINIMUM	MAXIMUM
	NRS - No requirement specified	
Cobalt (mg/kg)	0.1	5
Copper (mg/kg)	10	125
Iodine (mg/kg)	0.2	10
Iron (mg/kg)	50 (others) 100 (lactating)	500
Manganese (mg/kg)	10	200
Selenium (mg/kg)	NRS	0.1 (added)
Zinc (mg/kg)	50 (others) 70 (lactating, breeding)	500
Calcium (%)	0.5 (others) 1.0 (lactating)	2
Phosphorus (%)	0.3 (others) 0.6 (lactating, breeding)	1
Magnesium (%)	0.25	0.6
Sodium (%)	0.2	0.5
Potassium (%)	0.6	2
Sulphur (%)	NRS	NRS
Vitamin A (IU/kg)	3,000	50,000
Vitamin D (IU/kg)	400	4,000
Vitamin E (IU/kg)	40	NRS
Vitamin C (IU/kg)	NRS	NRS