



Aluminium (Al)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.2	87.6	60.5	86.9	91.7	60.5	50	75.4	1.7	90.7	89.8	80.9	95.1	90	93.3	86.7
0.2 to less than 0.5	11.5	32.9	8.2	5	30.2	35.5	19.7	11.7	6.7	7.8	13.8	1.6	6.7	6.7	11.3
0.5 to less than 0.75	0.7	3.9	1.6	1.7	6.6	7.2	-	25	2.7	1.7	1.3	-	3.3	-	1.3
0.75 to less than 1	0.2	2	1.6	-	0.5	3.3	3.3	8.3	-	0.2	1.3	1.6	-	-	0.7
1 to less than 1.5	-	0.7	1.6	1.7	1.2	2	-	23.3	-	-	1.3	1.6	-	-	-
1.5 to less than 2	-	-	-	-	0.2	1.3	-	13.3	-	0.5	-	-	-	-	-
2 to less than 2.5	-	-	-	-	0.2	-	-	5	-	-	-	-	-	-	-
2.5 to less than 3	-	-	-	-	0.2	-	1.6	6.7	-	-	-	-	-	-	-
3 to less than 5	-	-	-	-	0.2	-	-	1.7	-	-	1.3	-	-	-	-
5 to less than 7	-	-	-	-	-	0.7	-	3.3	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Aluminium has atomic number 13, atomic mass 26.98, limit of reporting 0.2 mg/kg, limit of detection 0.0893 mg/kg, Australian standard—no limit.



Antimony (Sb)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	57.1	59.9	47.5	46.7	46.8	51.3	42.6	25	34.7	57.1	60.5	50.8	43.3	32	62.7
Greater than 0 to 0.01	42.9	40.1	52.5	53.3	52.7	48.7	57.4	68.3	65.3	42.9	39.5	49.2	56.7	68	37.3
Greater than 0.01 to 0.015	-	-	-	-	0.2	-	-	6.7	-	-	-	-	-	-	-
Greater than 0.015 to 0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.02 to 0.025	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-
Greater than 0.025 to 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.05 to 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Antimony has atomic number 51, atomic mass 121.75, limit of reporting 0.05 mg/kg, limit of detection 0.0062 mg/kg, Australian standard—no limit.



Arsenic (As)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	6.6	16.4	14.8	11.7	11.7	17.1	27.9	11.7	10.7	15.9	31.6	37.7	16.7	14.7	15.3
Greater than 0 to 0.01	58.3	77.6	65.6	68.3	75.1	77.6	67.2	75	44	78.8	67.1	60.7	71.7	76	76.7
Greater than 0.01 to 0.02	16.3	1.3	6.6	11.7	9	3.3	1.6	3.3	8	5.1	1.3	1.6	11.7	8	8
Greater than 0.02 to 0.03	6.3	-	4.9	-	3.4	2	3.3	1.7	6.7	0.2	-	-	-	1.3	-
Greater than 0.03 to 0.04	5.1	2.6	3.3	-	0.7	-	-	1.7	1.3	-	-	-	-	-	-
Greater than 0.04 to 0.05	2.9	1.3	1.6	-	-	-	-	-	4	-	-	-	-	-	-
Greater than 0.05 to 0.075	3.9	0.7	3.3	3.3	-	-	-	3.3	8	-	-	-	-	-	-
Greater than 0.075 to 0.1	-	-	-	5	-	-	-	1.7	4	-	-	-	-	-	-
Greater than 0.1 to 0.25	0.5	-	-	-	-	-	-	1.7	10.7	-	-	-	-	-	-
Greater than 0.25 to 0.5	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-
Greater than 0.5 to 1	-	-	-	-	-	-	-	-	1.3	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Arsenic has atomic number 33, atomic mass 74.92, limit of reporting 0.02 mg/kg, limit of detection 0.0047 mg/kg, Australian standard—no limit.



Barium (Ba)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.01	-	-	83.6	-	22.9	4.6	96.7	33.3	30.7	39.3	30.3	96.7	78.3	84	-
0.01 to less than 0.1	10.2	6.6	13.1	3.3	74.1	81.6	3.3	53.3	66.7	56.6	64.5	1.6	21.7	16	-
0.1 to less than 0.2	26.3	21.7	1.6	33.3	2	8.6	-	11.7	-	3.2	3.3	1.6	-	-	3.3
0.2 to less than 0.3	28	18.4	1.6	13.3	0.2	2	-	-	1.3	0.7	1.3	-	-	-	10.7
0.3 to less than 0.4	14.6	14.5	-	11.7	0.2	0.7	-	1.7	-	-	-	-	-	-	23.3
0.4 to less than 0.5	8	9.9	-	8.3	-	-	-	-	-	0.2	-	-	-	-	28
0.5 to less than 1	12	25.7	-	23.3	0.2	2	-	-	-	-	0.7	-	-	-	34.7
1 to less than 2	0.7	1.3	-	6.7	0.2	0.7	-	-	1.3	-	-	-	-	-	-
2 to less than 3	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-
3 to less than 5	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Barium has atomic number 56, atomic mass 137.34, limit of reporting 0.01 mg/kg, limit of detection 0.0076 mg/kg, Australian standard—no limit.



Boron (B)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.2	95.4	94.1	95.1	93.3	95.1	95.4	78.7	48.3	100	99	97.4	98.4	100	100	99.3
0.2 to less than 0.25	2.4	2	1.6	3.3	2.2	2	4.9	6.7	-	-	2	-	-	-	0.7
0.25 to less than 0.3	0.7	1.3	1.6	-	1.2	2	-	5	-	0.7	-	1.6	-	-	-
0.3 to less than 0.4	0.7	0.7	1.6	3.3	0.2	-	6.6	20	-	0.2	0.7	-	-	-	-
0.4 to less than 0.5	0.7	-	-	-	0.7	-	4.9	5	-	-	-	-	-	-	-
0.5 to less than 0.6	-	0.7	-	-	0.2	0.7	4.9	6.7	-	-	-	-	-	-	-
0.6 to less than 0.7	-	0.7	-	-	-	-	-	1.7	-	-	-	-	-	-	-
0.7 to less than 0.8	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
0.8 to less than 1	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-
1 to less than 2.3	-	-	-	-	0.2	-	-	5	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Boron has atomic number 5, atomic mass 10.81, limit of reporting 0.2 mg/kg, limit of detection 0.1191 mg/kg, Australian standard—no limit.



Cadmium (Cd)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	3.3
Greater than 0 to 0.005	-	0.7	-	-	1.2	-	4.9	-	29.3	96.8	90.8	100	3.3	100	96.7
Greater than 0.005 to 0.01	-	-	1.6	-	6.6	2	18	-	46.7	2.2	5.3	-	10	-	-
Greater than 0.01 to 0.05	18.3	19.1	18	-	58.8	30.9	62.3	-	24	0.7	3.9	-	63.3	-	-
Greater than 0.05 to 0.1	19.3	9.9	27.9	-	18	23	9.8	-	-	-	-	-	16.7	-	-
Greater than 0.1 to 0.5	45.4	34.2	45.9	-	14.6	27	4.9	10	-	-	-	-	6.7	-	-
Greater than 0.5 to 1.25	11	16.4	6.6	-	0.7	11.8	-	30	-	-	-	-	-	-	-
Greater than 1.25 to 2.5	4.6	6.6	-	1.7	-	4.6	-	35	-	-	-	-	-	-	-
Greater than 2.5 to 10	1.2	12.5	-	35	-	0.7	-	23.3	-	-	-	-	-	-	-
Greater than 10 to 25	0.2	0.7	-	51.7	-	-	-	1.7	-	-	-	-	-	-	-
Greater than 25 to 63	-	-	-	11.7	-	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Cadmium has atomic number 48, atomic mass 112.40, limit of reporting 0.005 mg/kg, limit of detection 0.0029 mg/kg, Australian standards for kidney of cattle, sheep and pig— 2.5 mg/kg, Australian standard for liver of cattle, sheep and pig— 1.25 mg/kg, Meat of cattle, sheep and pig (excluding offal)— 0.05 mg/kg.



Caesium (Cs)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	78	80.9	72.1	88.3	85.1	88.8	88.5	93.3	96	80	80.3	63.9	86.7	93.3	96
0.05 to less than 0.075	9	5.9	14.8	6.7	7.6	3.9	3.3	6.7	-	8.8	7.9	23	5	1.3	4
0.075 to less than 0.1	5.4	5.3	8.2	5	2.7	3.9	4.9	-	-	4.6	2	6.6	5	1.3	-
0.1 to less than 0.2	5.1	6.6	3.3	-	3.9	2.6	1.6	-	1.3	4.4	5.9	4.9	3.3	-	-
0.2 to less than 0.3	1.5	0.7	-	-	0.7	-	-	-	-	1.7	0.7	-	-	1.3	-
0.3 to less than 0.4	0.7	-	-	-	-	0.7	1.6	-	2.7	0.2	2	-	-	1.3	-
0.4 to less than 0.5	0.2	-	1.6	-	-	-	-	-	-	-	-	1.6	-	1.3	-
0.5 to less than 0.75	-	-	-	-	-	-	-	-	-	0.2	1.3	-	-	-	-
0.75 to less than 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 to less than 1.2	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Caesium has atomic number 55, atomic mass 132.91, limit of reporting 0.05 mg/kg, limit of detection 0.0438 mg/kg, Australian standards—no limit.



Calcium (Ca)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 25	-	-	-	-	5.1	0.7	-	-	-	13.9	9.2	9.8	13.3	-	-
25 to less than 50	7.1	7.9	18	-	90	78.3	72.1	75	93.3	63.4	87.5	86.9	53.3	98.7	-
50 to less than 75	57.1	36.8	77	5	2.2	15.1	27.9	18.3	5.3	14.1	2	1.6	13.3	-	-
75 to less than 100	24.4	25.7	4.9	41.7	0.7	1.3	-	-	-	2.2	-	1.6	8.3	-	-
100 to less than 125	7.1	13.8	-	28.3	0.5	-	-	1.7	-	3.4	0.7	-	5	-	-
125 to less than 250	4.1	14.5	-	18.3	1	3.3	-	1.7	-	2.9	-	-	5	1.3	-
250 to less than 500	0.2	0.7	-	5	-	-	-	1.7	1.3	-	0.7	-	1.7	-	97.3
500 to less than 750	-	0.7	-	1.7	0.2	1.3	-	1.7	-	-	-	-	-	-	2.7
750 to less than 1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1000 to less than 2500	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Calcium has atomic number 20, atomic mass 40.08, limit of reporting 1 mg/kg, limit of detection 0.5872 mg/kg, Australian standards—no limit.



Cerium (Ce)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.005	77.1	65.8	96.7	31.7	23.2	15.1	82	-	98.7	99.5	96.7	93.4	100	98.7	100
0.005 to less than 0.01	15.9	14.5	1.6	25	28.5	22.4	11.5	-	-	0.5	2.6	4.9	-	-	-
0.01 to less than 0.02	5.9	13.2	-	30	28.3	19.7	1.6	-	-	-	-	1.6	-	1.3	-
0.02 to less than 0.04	1.2	4.6	1.6	13.3	14.6	22.4	1.6	1.7	1.3	-	0.7	-	-	-	-
0.04 to less than 0.05	-	1.3	-	-	1.2	5.3	1.6	-	-	-	-	-	-	-	-
0.05 to less than 0.075	-	-	-	-	2.4	5.3	-	3.3	-	-	-	-	-	-	-
0.075 to less than 0.5	-	0.7	-	-	1.7	9.2	1.6	48.3	-	-	-	-	-	-	-
0.5 to less than 1	-	-	-	-	-	0.7	-	30	-	-	-	-	-	-	-
1 to less than 2	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-
2 to less than 3.6	-	-	-	-	-	-	-	6.7	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Cerium has atomic number 58, atomic mass 104.12, limit of reporting 0.005 mg/kg, limit of detection 0.0023 mg/kg, Australian standards—no limit.



Chromium (Cr)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	88.8	85.5	93.4	98.3	70.7	54.6	62.3	43.3	41.3	90.5	86.8	93.4	98.3	57.3	100
0.05 to less than 0.06	5.6	6.6	4.9	1.7	17.3	27.6	24.6	28.3	21.3	5.6	7.9	3.3	-	20	-
0.06 to less than 0.07	2.2	4.6	1.6	-	4.9	5.3	13.1	11.7	16	2.4	3.3	3.3	-	14.7	-
0.07 to less than 0.08	2	2.6	-	-	4.1	5.9	-	5	8	0.2	-	-	-	2.7	-
0.08 to less than 0.09	1	0.7	-	-	2.4	2.6	-	3.3	8	0.2	-	-	-	2.7	-
0.09 to less than 0.1	0.2	-	-	-	0.2	2	-	5	4	0.2	-	-	1.7	1.3	-
0.1 to less than 0.125	-	-	-	-	0.2	-	-	3.3	1.3	0.2	2	-	-	1.3	-
0.125 to less than 0.15	-	-	-	-	-	0.7	-	-	-	0.2	-	-	-	-	-
0.15 to less than 0.2	-	-	-	-	-	0.7	-	-	-	0.2	-	-	-	-	-
0.2 to less than 0.6	0.2	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Chromium has atomic number 24, atomic mass 51.99, limit of reporting 0.05 mg/kg, limit of detection 0.0259 mg/kg, Australian standards—no limit.



Cobalt (Co)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.01	1.5	-	1.6	-	-	0.7	1.6	-	-	97.1	96.7	100	96.7	100	100
0.01 to less than 0.02	14.9	5.3	32.8	28.3	0.2	1.3	23	-	37.3	2.2	3.3	-	3.3	-	-
0.02 to less than 0.03	45.9	19.7	36.1	40	0.2	4.6	49.2	1.7	58.7	0.2	-	-	-	-	-
0.03 to less than 0.04	19.8	28.3	11.5	10	3.9	6.6	19.7	1.7	4	-	-	-	-	-	-
0.04 to less than 0.05	9.3	20.4	6.6	10	12	21.7	6.6	18.3	-	-	-	-	-	-	-
0.05 to less than 0.1	6.1	23	11.5	11.7	70.7	62.5	-	51.7	-	0.5	-	-	-	-	-
0.1 to less than 0.15	1.7	3.3	-	-	9.3	1.3	-	8.3	-	-	-	-	-	-	-
0.15 to less than 0.2	0.2	-	-	-	1.5	0.7	-	10	-	-	-	-	-	-	-
0.2 to less than 0.25	0.5	-	-	-	0.5	0.7	-	5	-	-	-	-	-	-	-
0.25 to less than 0.84	0.2	-	-	-	1.7	-	-	3.3	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Cobalt has atomic number 27, atomic mass 58.93, limit of reporting 0.01 mg/kg, limit of detection 0.004 mg/kg, Australian standards—no limit.



Copper (Cu)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0 to 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.05 to 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.1 to 0.5	-	-	-	-	-	-	-	-	-	31.7	5.9	32.8	-	98.7	59.3
Greater than 0.5 to 2	1	8.6	3.3	-	3.2	-	-	-	4	68	94.1	67.2	95	1.3	40.7
Greater than 2 to 10	99	91.4	82	100	18.3	7.2	37.7	95	96	0.2	-	-	5	-	-
Greater than 10 to 25	-	-	14.8	-	36.1	12.5	31.1	5	-	-	-	-	-	-	-
Greater than 25 to 50	-	-	-	-	25.9	26.3	11.5	-	-	-	-	-	-	-	-
Greater than 50 to 100	-	-	-	-	13.4	37.5	14.8	-	-	-	-	-	-	-	-
Greater than 100 to 150	-	-	-	-	2.9	9.9	3.3	-	-	-	-	-	-	-	-
Greater than 150 to 375	-	-	-	-	0.2	6.6	1.6	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Copper has atomic number 29, atomic mass 63.55, limit of reporting 0.05 mg/kg, limit of detection 0.0109 mg/kg, Australian standards for edible mammalian offal (other than sheep liver)—50 mg/kg, Australian standards for meat of cattle, pigs and sheep—2 mg/kg, Australian standards for sheep liver—150 mg/kg



Gallium (Ga)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.005	43.9	35.5	98.4	23.3	95.9	87.5	96.7	45	97.3	97.8	96.1	100	100	100	40
0.005 to less than 0.006	11.7	14.5	-	8.3	2.2	4.6	1.6	26.7	1.3	1.7	2.6	-	-	-	3.3
0.006 to less than 0.007	7.1	8.6	-	11.7	0.7	3.3	1.6	8.3	-	0.2	0.7	-	-	-	3.3
0.007 to less than 0.008	5.9	7.2	1.6	5	0.2	-	-	8.3	-	-	-	-	-	-	8
0.008 to less than 0.009	6.6	5.3	-	1.7	0.2	0.7	-	1.7	-	-	-	-	-	-	7.3
0.009 to less than 0.01	7.3	5.3	-	1.7	-	0.7	-	1.7	-	-	-	-	-	-	6
0.01 to less than 0.0125	6.6	9.2	-	18.3	-	2	-	5	-	-	-	-	-	-	21.3
0.0125 to less than 0.015	6.3	2	-	10	-	-	-	1.7	-	0.2	-	-	-	-	6.7
0.015 to less than 0.02	2.7	5.3	-	8.3	0.5	0.7	-	1.7	-	-	0.7	-	-	-	4
0.02 to less than 0.1	2	7.2	-	11.7	0.2	0.7	-	-	1.3	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Gallium has atomic number 31, atomic mass 69.72, limit of reporting 0.005 mg/kg, limit of detection 0.0028 mg/kg, Australian standards—no limit.



Germanium (Ge)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.005	23.9	29.6	14.8	-	23.9	29.6	13.1	3.3	100	28.3	32.2	24.6	-	100	0.7
0.005 to less than 0.0075	0.2	5.3	-	1.7	0.7	0.7	-	1.7	-	11.7	16.4	39.3	1.7	-	26.7
0.0075 to less than 0.01	2.9	4.6	6.6	1.7	3.4	2.6	-	-	-	19.3	15.8	23	10	-	28.7
0.01 to less than 0.025	40	35.5	67.2	56.7	40	22.4	3.3	1.7	-	40.5	35.5	13.1	68.3	-	44
0.025 to less than 0.05	29.3	15.1	11.5	38.3	27.3	27.6	36.1	10	-	0.2	-	-	20	-	-
0.05 to less than 0.075	3.4	3.3	-	-	3.2	7.9	21.3	18.3	-	-	-	-	-	-	-
0.075 to less than 0.1	-	2.6	-	-	1	5.9	11.5	15	-	-	-	-	-	-	-
0.1 to less than 0.15	0.2	2	-	-	0.5	2.6	13.1	28.3	-	-	-	-	-	-	-
0.15 to less than 0.2	-	1.3	-	1.7	-	0.7	-	11.7	-	-	-	-	-	-	-
0.2 to less than 0.6	-	0.7	-	-	-	-	1.6	10	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Germanium has atomic number 32, atomic mass 72.63, limit of reporting 0.005 mg/kg, limit of detection 0.00345 mg/kg, Australian standards—no limit.



Iron (Fe)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 25	-	9.9	8.2	-	0.7	-	-	-	-	77.3	96.7	100	21.7	100	100
25 to less than 50	23.4	47.4	65.6	51.7	35.6	20.4	1.6	-	20	22.4	3.3	-	65	-	-
50 to less than 75	45.6	14.5	18	43.3	38	24.3	3.3	3.3	34.7	0.2	-	-	13.3	-	-
75 to less than 100	22.7	5.9	4.9	-	13.9	15.1	3.3	-	29.3	-	-	-	-	-	-
100 to less than 250	8	16.4	1.6	5	10.7	32.9	68.9	38.3	16	-	-	-	-	-	-
250 to less than 500	0.2	2.6	1.6	-	1	6.6	18	33.3	-	-	-	-	-	-	-
500 to less than 750	-	2.6	-	-	-	-	4.9	13.3	-	-	-	-	-	-	-
750 to less than 1000	-	0.7	-	-	-	0.7	-	3.3	-	-	-	-	-	-	-
1000 to less than 1500	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
1500 to less than 3000	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Iron has atomic number 26, atomic mass 55.85, limit of reporting 1 mg/kg, limit of detection 0.1037 mg/kg, Australian standards—no limit.



Lead (Pb)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	1.5	1.3	14.8	-	4.4	2	14.8	-	2.7	24.1	13.8	42.6	28.3	9.3	52
Greater than 0 to 0.01	27.3	11.8	68.9	11.7	60	26.3	73.8	-	94.7	74.9	84.2	57.4	70	88	44
Greater than 0.01 to 0.1	69.5	73.7	16.4	78.3	35.1	60.5	11.5	65	1.3	1	1.3	-	1.7	2.7	4
Greater than 0.1 to 0.25	1.2	9.9	-	6.7	-	9.2	-	30	1.3	-	0.7	-	-	-	-
Greater than 0.25 to 0.5	0.2	2	-	1.7	0.2	2	-	1.7	-	-	-	-	-	-	-
Greater than 0.5 to 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.6 to 0.7	-	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.7 to 0.8	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.8 to 0.9	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.9 to 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 1 to 11	0.2	-	-	-	0.2	-	-	3.3	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Lead has atomic number 82, atomic mass 207.19, limit of reporting 0.01 mg/kg, limit of detection 0.0079 mg/kg, Australian standards for edible offal of cattle, sheep, pig and poultry—0.5 mg/kg, Australian standards for meat of cattle, sheep, pig and poultry (excluding offal)—0.1 mg/kg.



Lithium (Li)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	80.7	79.6	96.7	76.7	95.1	96.1	98.4	100	100	97.1	94.7	100	100	100	58
0.05 to less than 0.055	5.6	5.3	1.6	13.3	1.7	-	-	-	-	1.5	1.3	-	-	-	12.7
0.055 to less than 0.06	5.9	3.9	-	3.3	1.5	2	-	-	-	0.7	3.9	-	-	-	11.3
0.06 to less than 0.065	2	3.9	1.6	3.3	0.5	0.7	-	-	-	0.2	-	-	-	-	6.7
0.065 to less than 0.07	1.5	2.6	-	3.3	0.5	1.3	-	-	-	0.2	-	-	-	-	2.7
0.07 to less than 0.075	1.5	0.7	-	-	0.5	-	-	-	-	0.2	-	-	-	-	3.3
0.075 to less than 0.08	1	0.7	-	-	0.2	-	-	-	-	-	-	-	-	-	0.7
0.08 to less than 0.09	0.7	0.7	-	-	-	-	1.6	-	-	-	-	-	-	-	3.3
0.09 to less than 0.1	0.2	0.7	-	-	-	-	-	-	-	-	-	-	-	-	0.7
0.1 to less than 0.3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Lithium has atomic number 3, atomic mass 6.941, limit of reporting 0.05 mg/kg, limit of detection 0.0041 mg/kg, Australian standards—no limit.



Magnesium (Mg)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 75	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-	13.3
75 to less than 100	3.9	2.6	1.6	10	-	0.7	-	-	-	0.2	0.7	-	-	-	30
100 to less than 125	27.3	29.6	27.9	48.3	16.1	10.5	11.5	13.3	1.3	4.9	5.3	3.3	3.3	-	55.3
125 to less than 150	44.6	42.8	44.3	41.7	30.2	27.6	21.3	31.7	1.3	20.5	25	9.8	15	-	1.3
150 to less than 175	22.9	24.3	23	-	40.2	45.4	41	31.7	14.7	35.1	22.4	24.6	26.7	-	-
175 to less than 200	1.2	0.7	3.3	-	12	15.8	21.3	23.3	70.7	29	30.3	32.8	26.7	-	-
200 to less than 225	-	-	-	-	1.2	-	4.9	-	12	8.8	9.2	26.2	23.3	-	-
225 to less than 250	-	-	-	-	0.2	-	-	-	-	1.5	6.6	3.3	5	6.7	-
250 to less than 300	-	-	-	-	-	-	-	-	-	-	-	-	-	54.7	-
300 to less than 400	-	-	-	-	-	-	-	-	-	-	-	-	-	38.7	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Magnesium has atomic number 12, atomic mass 24.305, limit of reporting 1 mg/kg, limit of detection 0.2719 mg/kg, Australian standards—no limit.



Manganese (Mn)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.1	0.2	-	-	-	-	-	-	-	-	82.7	78.3	93.4	45	85.3	-
0.1 to less than 0.25	-	-	-	-	-	-	-	-	-	17.1	21.7	6.6	50	13.3	57.3
0.25 to less than 0.5	0.2	2.6	-	-	-	-	-	-	-	0.2	-	-	5	1.3	42.7
0.5 to less than 0.75	18.8	43.4	4.9	53.3	-	-	-	-	-	-	-	-	-	-	-
0.75 to less than 1	51.7	40.8	32.8	38.3	0.2	0.7	-	8.3	-	-	-	-	-	-	-
1 to less than 1.5	28.8	12.5	59	8.3	1.2	11.8	-	41.7	1.3	-	-	-	-	-	-
1.5 to less than 2	0.2	0.7	3.3	-	16.8	30.9	26.2	36.7	12	-	-	-	-	-	-
2 to less than 3	-	-	-	-	64.6	46.7	63.9	13.3	62.7	-	-	-	-	-	-
3 to less than 4	-	-	-	-	16.1	7.2	9.8	-	24	-	-	-	-	-	-
4 to less than 6	-	-	-	-	1	2.6	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Manganese has atomic number 25, atomic mass 54.93805, limit of reporting 0.01 mg/kg, limit of detection 0.004 mg/kg, Australian standards—no limit.



Mercury (Hg)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	3.9	5.3	1.6	-	23.2	19.1	8.2	5	12	51.7	51.3	21.3	43.3	29.3	-
Greater than 0 to 0.005	66.3	69.1	47.5	11.7	72.4	71.1	60.7	60	88	47.6	48.7	72.1	55	69.3	-
Greater than 0.005 to 0.075	15.6	14.5	14.8	26.7	2.7	6.6	13.1	11.7	-	-	-	4.9	1.7	1.3	-
Greater than 0.075 to 0.01	7.1	4.6	6.6	15	1.5	1.3	13.1	10	-	0.5	-	-	-	-	-
Greater than 0.01 to 0.015	2.7	2	4.9	8.3	-	1.3	1.6	6.7	-	-	-	1.6	-	-	-
Greater than 0.015 to 0.02	1.5	0.7	-	5	0.2	0.7	-	-	-	-	-	-	-	-	-
Greater than 0.02 to 0.025	0.2	2	4.9	8.3	-	-	3.3	1.7	-	0.2	-	-	-	-	-
Greater than 0.025 to 0.03	1.7	-	4.9	3.3	-	-	-	3.3	-	-	-	-	-	-	-
Greater than 0.03 to 0.04	0.7	-	8.2	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.04 to 0.05	0.2	1.3	4.9	6.7	-	-	-	1.7	-	-	-	-	-	-	-
Greater than 0.05 to 0.3	-	0.7	1.6	15	-	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Mercury has atomic number 80, atomic mass 200.59, limit of reporting 0.005 mg/kg, limit of detection 0.0011 mg/kg, Australian standards—no limit.



Molybdenum (Mo)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	0.5	0.7	-	-	-	-	-	-	-	99.5	97.4	98.4	98.3	90.7	38.7
0.05 to less than 0.075	0.2	-	-	-	-	-	-	-	-	-	1.3	-	-	8	30
0.075 to less than 0.1	0.2	-	-	-	-	-	-	-	-	0.2	-	1.6	1.7	-	16.7
0.1 to less than 0.25	9.8	5.3	-	26.7	-	0.7	-	-	-	0.2	1.3	-	-	1.3	9.3
0.25 to less than 0.5	84.9	73	24.6	73.3	2.9	2.6	6.6	-	6.7	-	-	-	-	-	4.7
0.5 to less than 0.75	3.9	15.1	60.7	-	14.1	9.2	9.8	-	78.7	-	-	-	-	-	0.7
0.75 to less than 1	0.5	3.3	14.8	-	39.8	32.2	14.8	8.3	14.7	-	-	-	-	-	-
1 to less than 1.5	-	2	-	-	42.2	50	50.8	38.3	-	-	-	-	-	-	-
1.5 to less than 2	-	-	-	-	1	3.9	13.1	31.7	-	-	-	-	-	-	-
2 to less than 6	-	0.7	-	-	-	1.3	4.9	21.7	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Molybdenum has atomic number 42, atomic mass 95.94, limit of reporting 0.05 mg/kg, limit of detection 0.0057 mg/kg, Australian standards—no limit.



Nickel (Ni)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	98	81.6	100	96.7	98.5	98	100	98.3	97.3	99.3	98.7	100	98.3	98.7	69.3
0.05 to less than 0.055	0.5	3.9	-	1.7	0.2	-	-	-	-	0.2	0.7	-	-	-	10
0.055 to less than 0.06	-	3.3	-	-	0.2	-	-	-	-	-	-	-	-	-	4.7
0.06 to less than 0.07	0.2	4.6	-	-	0.2	0.7	-	-	2.7	-	-	-	1.7	-	12
0.07 to less than 0.075	-	0.7	-	1.7	-	-	-	-	-	-	-	-	-	-	2.7
0.075 to less than 0.08	-	0.7	-	-	-	-	-	-	-	-	-	-	-	1.3	0.7
0.08 to less than 0.085	0.5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
0.085 to less than 0.09	-	1.3	-	-	0.2	0.7	-	-	-	-	-	-	-	-	-
0.09 to less than 0.1	-	-	-	-	-	-	-	1.7	-	-	0.7	-	-	-	0.7
0.1 to less than 0.6	0.7	2	-	-	0.5	0.7	-	-	-	0.5	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Nickel has atomic number 28, atomic mass 58.6934, limit of reporting 0.05 mg/kg, limit of detection 0.007 mg/kg, Australian standards—no limit.



Phosphorus (P)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 500	-	0.7	-	-	-	-	-	1.7	-	-	-	-	-	-	-
500 to less than 750	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-	-
750 to less than 1000	-	-	-	-	-	-	-	-	-	1.5	2	-	-	-	-
1000 to less than 1250	0.2	-	-	-	-	-	-	-	-	12.7	15.8	4.9	11.7	-	17.3
1250 to less than 1500	2.7	3.3	3.3	28.3	-	-	-	-	1.3	39.8	30.3	24.6	31.7	-	17.3
1500 to less than 2000	43.7	42.1	54.1	66.7	0.2	-	-	8.3	-	44.9	49.3	67.2	53.3	21.3	61.3
2000 to less than 2500	50.2	51.3	37.7	5	12.7	7.9	21.3	35	42.7	1.2	2	3.3	3.3	78.7	4
2500 to less than 3000	3.2	2.6	4.9	-	39.3	19.1	47.5	41.7	49.3	-	-	-	-	-	-
3000 to less than 4000	-	-	-	-	47.6	71.7	31.1	13.3	6.7	-	-	-	-	-	-
4000 to less than 6000	-	-	-	-	0.2	1.3	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Phosphorus has atomic number 15, atomic mass 30.97376, limit of reporting 20 mg/kg, limit of detection 18.4752 mg/kg, Australian standards—no limit.



Potassium (K)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 1000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.7
1000 to less than 1250	-	-	-	-	-	-	-	-	-	-	0.7	-	-	-	22.7
1250 to less than 1500	2	3.9	-	-	-	-	-	-	1.3	-	-	-	-	-	47.3
1500 to less than 1750	9.3	20.4	19.7	15	0.2	2	3.3	3.3	-	1	0.7	-	-	-	17.3
1750 to less than 2000	22.9	36.8	32.8	28.3	6.1	12.5	8.2	6.7	-	4.1	8.6	1.6	8.3	-	-
2000 to less than 2250	34.6	29.6	32.8	38.3	15.4	19.1	34.4	20	14.7	10	16.4	3.3	10	-	-
2250 to less than 2500	22.7	7.2	9.8	18.3	24.6	36.2	29.5	16.7	44	24.6	24.3	21.3	23.3	-	-
2500 to less than 2750	8	2	4.9	-	29.3	22.4	13.1	33.3	34.7	25.1	28.9	34.4	33.3	4	-
2750 to less than 3000	0.5	-	-	-	17.8	6.6	8.2	20	5.3	22.2	13.2	24.6	23.3	36	-
3000 to less than 5000	-	-	-	-	6.6	1.3	3.3	-	-	12.9	7.2	14.8	1.7	60	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Potassium has atomic number 19, atomic mass 39.0983, limit of reporting 1 mg/kg, limit of detection 0.564 mg/kg, Australian standards—no limit.



Rubidium (Rb)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 1	2.9	11.2	-	11.7	-	2	-	3.3	-	3.4	11.2	-	11.7	-	12
1 to less than 2.5	32.2	34.9	23	38.3	9	19.7	1.6	18.3	-	34.1	33.6	6.6	40	-	44.7
2.5 to less than 5	31.5	23.7	32.8	35	30.5	26.3	31.1	30	28	32.9	25.7	42.6	36.7	28	43.3
5 to less than 10	24.9	18.4	32.8	15	28.5	21.7	32.8	45	53.3	22.0	18.4	34.4	11.7	57.3	-
10 to less than 15	6.3	9.2	11.5	-	18.8	12.5	16.4	3.3	14.7	5.9	7.9	16.4	-	10.7	-
15 to less than 20	1.2	2.6	-	-	5.4	5.9	18	-	4	1	2.6	-	-	4	-
20 to less than 25	0.7	-	-	-	4.6	4.6	-	-	-	0.5	0.7	-	-	-	-
25 to less than 30	0.2	-	-	-	1.7	3.9	-	-	-	-	-	-	-	-	-
30 to less than 40	-	-	-	-	1.2	3.3	-	-	-	0.2	-	-	-	-	-
40 to less than 60	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Rubidium has atomic number 37, atomic mass 85.4678, limit of reporting 0.01 mg/kg, limit of detection 0.0056 mg/kg, Australian standards—no limit.



Scandium (Sc)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	70.2	80.9	78.7	71.7	70.5	73	83.6	71.7	97.3	72.2	75.7	72.1	76.7	96	79.3
0.05 to less than 0.06	2.9	5.9	4.9	5	2.4	4.6	-	1.7	2.7	3.4	5.3	4.9	6.7	4	2.7
0.06 to less than 0.07	4.4	2.6	4.9	1.7	3.4	5.3	-	1.7	-	2.2	4.6	1.6	1.7	-	4.7
0.07 to less than 0.08	5.6	1.3	1.6	1.7	3.2	5.9	3.3	5	-	4.9	2.6	6.6	1.7	-	2.7
0.08 to less than 0.09	4.9	3.3	3.3	5	3.2	3.9	3.3	1.7	-	4.6	2.6	1.6	-	-	-
0.09 to less than 0.1	2.4	0.7	-	5	3.9	0.7	1.6	1.7	-	2.9	1.3	1.6	1.7	-	2
0.1 to less than 0.11	2	1.3	-	-	3.7	2.6	1.6	5	-	2.4	3.3	1.6	1.7	-	0.7
0.11 to less than 0.13	3.7	2.6	4.9	3.3	6.3	2	6.6	3.3	-	3.7	2.0	3.3	6.7	-	5.3
0.13 to less than 0.15	2.4	0.7	1.6	3.3	2	0.7	-	5	-	2.7	2.6	3.3	3.3	-	0.7
0.15 to less than 0.25	1.5	0.7	-	3.3	1.5	1.3	-	3.3	-	1	-	3.3	-	-	2
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Scandium has atomic number 21, atomic mass 44.95591, limit of reporting 0.05 mg/kg, limit of detection 0.0086 mg/kg, Australian standards—no limit.



Selenium (Se)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0 to 0.02	-	-	-	-	-	-	-	-	-	1	1.3	-	-	-	-
Greater than 0.02 to 0.1	-	-	-	-	17.6	10.5	-	-	-	47.8	59.9	-	35	-	-
Greater than 0.1 to 0.2	-	-	-	-	21.7	25.7	-	20	-	37.8	36.2	44.3	65	42.7	22.7
Greater than 0.2 to 0.5	2.2	1.3	-	-	52	52	24.6	78.3	6.7	12.7	2.6	55.7	-	57.3	77.3
Greater than 0.5 to 0.75	17.1	21.1	-	10	7.1	10.5	49.2	1.7	81.3	0.7	-	-	-	-	-
Greater than 0.75 to 1	22.7	42.1	6.6	55	1.2	0.7	21.3	-	12	-	-	-	-	-	-
Greater than 1 to 1.25	27.8	23	8.2	30	0.2	-	3.3	-	-	-	-	-	-	-	-
Greater than 1.25 to 1.5	17.8	10.5	16.4	5	-	-	1.6	-	-	-	-	-	-	-	-
Greater than 1.5 to 2	11.2	2	29.5	-	0.2	0.7	-	-	-	-	-	-	-	-	-
Greater than 2 to 13	1.2	-	39.3	-	-	-	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Selenium has atomic number 34, atomic mass 78.96, limit of reporting 0.02 mg/kg, limit of detection 0.017 mg/kg, Australian standards—no limit.



Silicon (Si)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 1	7.6	17.8	39.3	15	33.7	41.4	37.7	25	52	39	42.8	45.9	31.7	50.7	52.7
1 to less than 2	17.6	22.4	16.4	23.3	30.2	23	21.3	13.3	40	25.6	23	13.1	21.7	38.7	36.7
2 to less than 3	21	22.4	8.2	15	13.7	13.8	3.3	15	8	14.9	14.5	13.1	11.7	9.3	10.7
3 to less than 3.5	14.9	9.2	11.5	3.3	6.8	4.6	6.6	6.7	–	6.6	3.3	6.6	6.7	–	–
3.5 to less than 4	6.6	6.6	–	8.3	6.3	5.9	9.8	8.3	–	5.6	3.9	1.6	5	–	–
4 to less than 4.5	7.1	5.3	8.2	5	4.6	5.3	4.9	8.3	–	3.2	5.3	8.2	13.3	–	–
4.5 to less than 5	6.1	5.3	8.2	11.7	1.7	2	8.2	5	–	2	3.9	9.8	3.3	–	–
5 to less than 5.5	5.6	3.3	3.3	6.7	1.7	2	4.9	6.7	–	2.7	3.3	1.6	1.7	–	–
5.5 to less than 6	5.4	2	3.3	1.7	0.2	1.3	1.6	5	–	0.2	–	–	1.7	–	–
6 to less than 10	8.3	5.9	1.6	10	1	0.7	1.6	6.7	–	0.2	–	–	3.3	1.3	–
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Silicon has atomic number 14, atomic mass 28.0855, limit of reporting 5 mg/kg, limit of detection 2 mg/kg, Australian standards—no limit.



Silver (Ag)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.01	100	99.3	98.4	100	47.8	26.3	100	98.3	100	100	100	100	100	100	100
0.01 to less than 0.011	-	-	-	-	3.2	4.6	-	-	-	-	-	-	-	-	-
0.011 to less than 0.012	-	-	-	-	3.9	0.7	-	-	-	-	-	-	-	-	-
0.012 to less than 0.0125	-	-	-	-	1.7	2	-	-	-	-	-	-	-	-	-
0.0125 to less than 0.13	-	-	-	-	2.7	1.3	-	1.7	-	-	-	-	-	-	-
0.13 to less than 0.0135	-	0.7	-	-	2.2	1.3	-	-	-	-	-	-	-	-	-
0.0135 to less than 0.014	-	-	-	-	0.7	0.7	-	-	-	-	-	-	-	-	-
0.014 to less than 0.0145	-	-	1.6	-	37.3	56.6	-	-	-	-	-	-	-	-	-
0.0145 to less than 0.15	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-	-
0.15 to less than 0.24	-	-	-	-	0.5	3.3	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Silver has atomic number 47, atomic mass 107.8682, limit of reporting 0.01 mg/kg, limit of detection 0.0048 mg/kg, Australian standards—no limit.



Sodium (Na)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 250	–	–	–	–	–	–	–	–	–	–	–	1.6	1.7	12	–
250 to less than 500	–	–	–	–	30.5	22.4	1.6	45	2.7	60.7	54.6	85.2	88.3	88	–
500 to less than 750	–	–	–	–	66.6	76.3	27.9	53.3	74.7	37.3	44.1	13.1	10	–	–
750 to less than 1000	1.5	–	4.9	–	2.9	1.3	39.3	1.7	20	2	1.3	–	–	–	9.3
1000 to less than 1250	15.4	4.6	34.4	6.7	–	–	24.6	–	2.7	–	–	–	–	–	28.7
1250 to less than 1500	41	21.7	42.6	41.7	–	–	6.6	–	–	–	–	–	–	–	62
1500 to less than 1750	32.7	45.4	16.4	30	–	–	–	–	–	–	–	–	–	–	–
1750 to less than 2000	8.8	19.7	1.6	16.7	–	–	–	–	–	–	–	–	–	–	–
2000 to less than 2250	0.7	6.6	–	5	–	–	–	–	–	–	–	–	–	–	–
2250 to less than 2600	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Sodium has atomic number 11, atomic mass 22.98977, limit of reporting 1 mg/kg, limit of detection 0.7548 mg/kg, Australian standards—no limit.



Strontium (Sr)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.01	-	-	-	-	0.5	-	8.2	-	-	0.7	-	23	-	-	-
0.01 to less than 0.04	1.7	0.7	42.6	-	26.3	6.6	86.9	-	36	38.3	20.4	75.4	15	93.3	-
0.04 to less than 0.1	23.7	4.6	57.4	-	63.9	63.8	4.9	61.7	61.3	44.1	67.8	1.6	56.7	5.3	-
0.1 to less than 0.3	66.6	72.4	-	51.7	8.8	25	-	31.7	1.3	16.3	11.2	-	20	1.3	13.3
0.3 to less than 0.5	6.6	13.8	-	31.7	-	2.6	-	1.7	-	0.5	-	-	5	-	58
0.5 to less than 0.8	0.7	5.9	-	11.7	0.2	0.7	-	1.7	1.3	-	0.7	-	1.7	-	14.7
0.8 to less than 1	0.2	-	-	-	-	0.7	-	-	-	-	-	-	-	-	2.7
1 to less than 2	0.5	2	-	3.3	-	0.7	-	3.3	-	-	-	-	1.7	-	7.3
2 to less than 3	-	0.7	-	1.7	-	-	-	-	-	-	-	-	-	-	2
3 to less than 4	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	2
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Strontium has atomic number 38, atomic mass 87.62, limit of reporting 0.01 mg/kg, limit of detection 0.0036 mg/kg, Australian standards—no limit.



Thallium (Tl)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	98.5	96.1	100	100	100	99.3	100	100	100	100	100	100	100	100	100
0.05 to less than 0.055	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.055 to less than 0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.06 to less than 0.065	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.065 to less than 0.07	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
0.07 to less than 0.075	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-
0.075 to less than 0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.08 to less than 0.09	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.09 to less than 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.1 to less than 0.7	0.7	2	-	-	-	0.7	-	-	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Thallium has atomic number 81, atomic mass 204.3833, limit of reporting 0.05 mg/kg, limit of detection 0.007 mg/kg, Australian standards—no limit.



Tin (Sn)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.01	99.5	100	100	100	99.3	100	98.4	93.3	98.7	100	99.3	100	100	100	100
0.01 to less than 0.011	0.2	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-
0.011 to less than 0.012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.012 to less than 0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.013 to less than 0.014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.014 to less than 0.015	0.2	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-
0.015 to less than 0.0175	-	-	-	-	0.2	-	-	1.7	-	-	-	-	-	-	-
0.0175 to less than 0.02	-	-	-	-	0.2	-	-	1.7	1.3	-	-	-	-	-	-
0.02 to less than 0.025	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-
0.025 to less than 0.083	-	-	-	-	-	-	-	1.7	-	-	0.7	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Tin has atomic number 50, atomic mass 118.69, limit of reporting 0.01 mg/kg, limit of detection 0.0025 mg/kg, Australian standard for all canned foods—250 mg/kg.



Titanium (Ti)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	99	98.7	100	95	99	100	100	10	98.7	100	100	100	100	98.7	100
0.05 to less than 0.07	0.5	1.3	-	5	0.2	-	-	8.3	-	-	-	-	-	-	-
0.07 to less than 0.09	0.2	-	-	-	0.7	-	-	8.3	-	-	-	-	-	-	-
0.09 to less than 0.1	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
0.1 to less than 0.15	0.2	-	-	-	-	-	-	8.3	-	-	-	-	-	1.3	-
0.15 to less than 0.2	-	-	-	-	-	-	-	16.7	-	-	-	-	-	-	-
0.2 to less than 0.3	-	-	-	-	-	-	-	13.3	-	-	-	-	-	-	-
0.3 to less than 0.4	-	-	-	-	-	-	-	3.3	1.3	-	-	-	-	-	-
0.4 to less than 0.5	-	-	-	-	-	-	-	6.7	-	-	-	-	-	-	-
0.5 to less than 3	-	-	-	-	-	-	-	21.7	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Titanium has atomic number 22, atomic mass 47.90, limit of reporting 0.05 mg/kg, limit of detection 0.009 mg/kg, Australian standard—no limit.



Vanadium (V)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.01	52.2	27.6	80.3	23.3	87.6	80.9	85.2	6.7	100	100	100	100	100	98.7	100
0.01 to less than 0.03	44.1	57.9	16.4	76.7	10	16.4	9.8	43.3	-	-	-	-	-	1.3	-
0.03 to less than 0.04	1.2	5.3	-	-	1.2	1.3	-	18.3	-	-	-	-	-	-	-
0.04 to less than 0.05	0.7	2.6	1.6	-	0.5	-	3.3	13.3	-	-	-	-	-	-	-
0.05 to less than 0.06	0.7	2	1.6	-	-	0.7	-	6.7	-	-	-	-	-	-	-
0.06 to less than 0.07	-	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-
0.07 to less than 0.08	-	0.7	-	-	0.2	-	-	5	-	-	-	-	-	-	-
0.08 to less than 0.09	0.5	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-
0.09 to less than 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.1 to less than 0.3	0.5	-	-	-	0.5	0.7	1.6	6.7	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Vanadium has atomic number 23, atomic mass 50.94, limit of reporting 0.01 mg/kg, limit of detection 0.0058 mg/kg, Australian standard—no limit.



Zinc (Zn)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0 to 0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 0.05 to 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 1 to 2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greater than 2.5 to 5	-	-	-	-	-	-	-	-	-	-	-	-	-	25.3	-
Greater than 5 to 10	-	-	-	-	-	-	-	-	-	-	-	-	1.7	74.7	61.3
Greater than 10 to 25	94.9	80.9	82	61.7	6.8	5.9	1.6	-	53.3	8.3	4.6	54.1	20	-	38.7
Greater than 25 to 60	5.1	19.1	18	36.7	87.6	92.8	42.6	50	45.3	81.5	92.1	45.9	78.3	-	-
Greater than 60 to 75	-	-	-	-	4.4	-	19.7	10	1.3	9	3.3	-	-	-	-
Greater than 75 to 100	-	-	-	-	1	0.7	26.2	15	-	1.2	-	-	-	-	-
Greater than 100 to 235	-	-	-	1.7	0.2	0.7	9.8	25	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Zinc has atomic number 30, atomic mass 65.37, limit of reporting 0.05 mg/kg, limit of detection 0.0357 mg/kg, Australian standard—no limit.



Zirconium (Zr)

Concentration range (mg/kg)	Kidney samples				Liver samples					Muscle samples					Egg samples
	Cattle	Sheep	Pig	Horse	Cattle	Sheep	Pig	Horse	Poultry	Cattle	Sheep	Pig	Horse	Poultry	Poultry
0 to less than 0.05	100	100	100	100	100	100	100	85	100	100	100	100	100	100	100
0.05 to less than 0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.06 to less than 0.07	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-
0.07 to less than 0.075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.075 to less than 0.08	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-
0.08 to less than 0.085	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
0.085 to less than 0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.09 to less than 0.095	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
0.095 to less than 0.1	-	-	-	-	-	-	-	1.7	-	-	-	-	-	-	-
0.1 to less than 0.35	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-
Total number of samples	410	152	61	60	410	152	61	60	75	410	152	61	60	75	150

Note: Zirconium has atomic number 23, atomic mass 50.9415, limit of reporting 0.05 mg/kg, limit of detection 0.0081 mg/kg, Australian standard—no limit.