

Cattle Feed			12/12/2025	12/13/2025	12/15/2025		12/12/2025	12/13/2025	12/15/2025		
Sample ID	Type	Assigned Value (ppm)	Result (ppm)	Result (ppm)	Result (ppm)		Recovery (%)	Recovery (%)	Recovery (%)		
STD-1	Standard	0.5	0.42	0.48	0.45		84%	95%	89%		
STD-2	Standard	1	1.03	1.01	1.05		103%	101%	105%		
STD-3	Standard	2.5	2.68	2.67	2.54		107%	107%	101%		
STD-4	Standard	5	5.11	4.89	5.17		102%	98%	103%		
STD-5	Standard	10	10.77	9.93	10.39		108%	99%	104%		
STD-6	Standard	25	23.99	25.02	24.41		96%	100%	98%		
Sample 1	Fortified	5	5.10	5.04	5.09		102%	101%	102%		
Sample 2	Fortified	5	5.17	4.76	5.26		103%	95%	105%		
Sample 3	Fortified	5	5.27	4.93	5.18		105%	99%	104%		
Sample 4	Fortified	5	5.20	4.88	5.22		104%	98%	104%		
Sample 5	Fortified	5	5.05	4.71	5.22		101%	94%	104%		
						Mean Recovery (%)	103%	97%	104%	Mean Recovery (%)	101%
						RSD (%)	2%	3%	1%	Overall RSD (%)	4%
LS	Quality Control	2	1.96	1.74	2.15		98%	87%	108%		
Sample 6	Fortified	50	53.01	45.13	51.68		106%	90%	103%		
Sample 7	Fortified	50	51.42	51.65	53.75		103%	103%	107%		
Sample 8	Fortified	50	51.92	48.98	52.54		104%	98%	105%		
Sample 9	Fortified	50	51.44	49.67	50.36		103%	99%	101%		
Sample 10	Fortified	50	51.32	46.69	52.75		103%	93%	105%		
						Mean Recovery (%)	104%	97%	104%	Mean Recovery (%)	102%
						RSD (%)	1%	5%	2%	Overall RSD (%)	5%
MS	Quality Control	10	10.73	10.35	10.32		107%	103%	103%		
Sample 11	Fortified	150	154.65	155.38	150.70		103%	104%	100%		
Sample 12	Fortified	150	153.85	154.83	155.94		103%	103%	104%		
Sample 13	Fortified	150	151.53	154.33	153.32		101%	103%	102%		
Sample 14	Fortified	150	155.63	152.40	152.01		104%	102%	101%		
Sample 15	Fortified	150	158.83	161.60	153.39		106%	108%	102%		
						Mean Recovery (%)	103%	104%	102%	Mean Recovery (%)	103%
						RSD (%)	2%	2%	1%	Overall RSD (%)	2%
HS	Quality Control	20	20.474	20.28	20.814		102%	101%	104%		
Sample 16	Fortified	500	514.58	529.68	519.18		103%	106%	104%		
Sample 17	Fortified	500	515.18	508.58	518.55		103%	102%	104%		
Sample 18	Fortified	500	519.00	478.65	520.75		104%	96%	104%		
Sample 19	Fortified	500	527.50	483.00	515.25		106%	97%	103%		
Sample 20	Fortified	500	500.78	499.48	524.70		100%	100%	105%		
						Mean Recovery (%)	103%	100%	104%	Mean Recovery (%)	102%
						RSD (%)	2%	4%	1%	Overall RSD (%)	3%

Deer Feed			12/12/2025	12/16/2025	12/15/2025		12/12/2025	12/16/2025	12/15/2025		
Sample ID	Type	Assigned Value (ppm)	Result (ppm)	Result (ppm)	Result (ppm)		Recovery (%)	Recovery (%)	Recovery (%)		
STD-1	Standard	0.5	0.42	0.46	0.45		84%	91%	89%		
STD-2	Standard	1	1.03	1.03	1.05		103%	103%	105%		
STD-3	Standard	2.5	2.68	2.65	2.54		107%	106%	101%		
STD-4	Standard	5	5.11	4.88	5.17		102%	98%	103%		
STD-5	Standard	10	10.77	10.49	10.39		108%	105%	104%		
STD-6	Standard	25	23.99	24.50	24.41		96%	98%	98%		
Sample 1	Fortified	5	5.31	4.54	5.15		106%	91%	103%		
Sample 2	Fortified	5	5.07	4.84	5.17		101%	97%	103%		
Sample 3	Fortified	5	5.33	4.96	5.06		107%	99%	101%		
Sample 4	Fortified	5	5.10	5.01	5.37		102%	100%	107%		
Sample 5	Fortified	5	5.23	4.90	5.26		105%	98%	105%		
						Mean Recovery (%)	104%	97%	104%	Mean Recovery (%)	102%
						RSD (%)	2%	4%	2%	Overall RSD (%)	4%
LS	Quality Control	2	1.96	1.70	2.15		98%	85%	108%		
Sample 6	Fortified	50	51.86	49.10	53.82		104%	98%	108%		
Sample 7	Fortified	50	50.20	49.84	51.94		100%	100%	104%		
Sample 8	Fortified	50	50.34	47.42	51.60		101%	95%	103%		
Sample 9	Fortified	50	50.94	46.98	52.26		102%	94%	105%		
Sample 10	Fortified	50	51.51	48.61	52.48		103%	97%	105%		
						Mean Recovery (%)	102%	97%	105%	Mean Recovery (%)	101%
						RSD (%)	1%	2%	2%	Overall RSD (%)	4%
MS	Quality Control	10	10.73	9.50	10.32		107%	95%	103%		
Sample 11	Fortified	150	153.03	149.52	151.98		102%	100%	101%		
Sample 12	Fortified	150	157.01	163.50	158.84		105%	109%	106%		
Sample 13	Fortified	150	155.13	157.38	149.78		103%	105%	100%		
Sample 14	Fortified	150	156.94	152.72	156.38		105%	102%	104%		
Sample 15	Fortified	150	155.15	148.48	151.48		103%	99%	101%		
						Mean Recovery (%)	104%	103%	102%	Mean Recovery (%)	103%
						RSD (%)	1%	4%	2%	Overall RSD (%)	3%
HS	Quality Control	20	20.474	19.88	20.814		102%	99%	104%		
Sample 16	Fortified	500	515.13	488.45	507.00		103%	98%	101%		
Sample 17	Fortified	500	527.05	486.30	514.28		105%	97%	103%		
Sample 18	Fortified	500	518.00	457.25	520.70		104%	91%	104%		
Sample 19	Fortified	500	508.70	487.23	519.23		102%	97%	104%		
Sample 20	Fortified	500	523.23	466.33	498.28		105%	93%	100%		
						Mean Recovery (%)	104%	95%	102%	Mean Recovery (%)	100%
						RSD (%)	1%	3%	2%	Overall RSD (%)	4%

Cattle Feed-Day 1			12/12/2025					
Sample ID	Type	Assigned Value (ppm)	Instrument reading (ppb)	Sample Weight (g)	Extraction voln (mL)	Aliquot 1 (mL)	Aliquot 2 (mL)	Ivermectin Guarantee (µg/g)
STD-1	Standard	0.5	0.42					
STD-2	Standard	1	1.03					
STD-3	Standard	2.5	2.68					
STD-4	Standard	5	5.11					
STD-5	Standard	10	10.77					
STD-6	Standard	25	23.99					
Sample 1	Fortified	5	5.10	10	100	1	0.1	5.104
Sample 2	Fortified	5	5.17	10	100	1	0.1	5.169
Sample 3	Fortified	5	5.27	10	100	1	0.1	5.267
Sample 4	Fortified	5	5.20	10	100	1	0.1	5.197
Sample 5	Fortified	5	5.05	10	100	1	0.1	5.046
Sample 6	Fortified	50	13.25	10	100	0.25	0.1	53.012
Sample 7	Fortified	50	12.85	10	100	0.25	0.1	51.416
Sample 8	Fortified	50	12.98	10	100	0.25	0.1	51.92
Sample 9	Fortified	50	12.86	10	100	0.25	0.1	51.444
Sample 10	Fortified	50	12.83	10	100	0.25	0.1	51.32
Sample 11	Fortified	150	15.47	10	100	0.1	0.1	154.65
Sample 12	Fortified	150	15.39	10	100	0.1	0.1	153.85
Sample 13	Fortified	150	15.15	10	100	0.1	0.1	151.53
Sample 14	Fortified	150	15.56	10	100	0.1	0.1	155.63
Sample 15	Fortified	150	15.88	10	100	0.1	0.1	158.83
Sample 16	Fortified	500	20.58	10	100	0.04	0.1	514.575
Sample 17	Fortified	500	20.61	10	100	0.04	0.1	515.175
Sample 18	Fortified	500	20.76	10	100	0.04	0.1	519
Sample 19	Fortified	500	21.10	10	100	0.04	0.1	527.5
Sample 20	Fortified	500	20.03	10	100	0.04	0.1	500.775

Cattle Feed-Day 2			12/13/2025					
Sample ID	Type	Assigned Value (ppm)	Instrument reading (ppb)	Sample Weight (g)	Extraction voln (mL)	Aliquot 1 (mL)	Aliquot 2 (mL)	Ivermectin Guarantee (µg/g)
STD-1	Standard	0.5	0.48					
STD-2	Standard	1	1.01					
STD-3	Standard	2.5	2.67					
STD-4	Standard	5	4.89					
STD-5	Standard	10	9.93					
STD-6	Standard	25	25.02					
Sample 1	Fortified	5	5.04	10	100	1	0.1	5.035
Sample 2	Fortified	5	4.76	10	100	1	0.1	4.756
Sample 3	Fortified	5	4.93	10	100	1	0.1	4.926
Sample 4	Fortified	5	4.88	10	100	1	0.1	4.883
Sample 5	Fortified	5	4.71	10	100	1	0.1	4.71
Sample 6	Fortified	50	11.28	10	100	0.25	0.1	45.128
Sample 7	Fortified	50	12.91	10	100	0.25	0.1	51.648
Sample 8	Fortified	50	12.25	10	100	0.25	0.1	48.984
Sample 9	Fortified	50	12.42	10	100	0.25	0.1	49.668
Sample 10	Fortified	50	11.67	10	100	0.25	0.1	46.692
Sample 11	Fortified	150	15.54	10	100	0.1	0.1	155.38
Sample 12	Fortified	150	15.48	10	100	0.1	0.1	154.83
Sample 13	Fortified	150	15.43	10	100	0.1	0.1	154.33
Sample 14	Fortified	150	15.24	10	100	0.1	0.1	152.4
Sample 15	Fortified	150	16.16	10	100	0.1	0.1	161.6
Sample 16	Fortified	500	21.19	10	100	0.04	0.1	529.675
Sample 17	Fortified	500	20.34	10	100	0.04	0.1	508.575
Sample 18	Fortified	500	19.15	10	100	0.04	0.1	478.65
Sample 19	Fortified	500	19.32	10	100	0.04	0.1	483
Sample 20	Fortified	500	19.98	10	100	0.04	0.1	499.475

Cattle Feed-Day 3			12/15/2025					
Sample ID	Type	Assigned Value (ppm)	Instrument reading (ppb)	Sample Weight (g)	Extraction voln (mL)	Aliquot 1 (mL)	Aliquot 2 (mL)	Ivermectin Guarantee (µg/g)
STD-1	Standard	0.5	0.45					
STD-2	Standard	1	1.05					
STD-3	Standard	2.5	2.54					
STD-4	Standard	5	5.17					
STD-5	Standard	10	10.39					
STD-6	Standard	25	24.41					
Sample 1	Fortified	5	5.09	10	100	1	0.1	5.094
Sample 2	Fortified	5	5.26	10	100	1	0.1	5.261
Sample 3	Fortified	5	5.18	10	100	1	0.1	5.184
Sample 4	Fortified	5	5.22	10	100	1	0.1	5.221
Sample 5	Fortified	5	5.22	10	100	1	0.1	5.219
Sample 6	Fortified	50	12.92	10	100	0.25	0.1	51.676
Sample 7	Fortified	50	13.44	10	100	0.25	0.1	53.748
Sample 8	Fortified	50	13.14	10	100	0.25	0.1	52.54
Sample 9	Fortified	50	12.59	10	100	0.25	0.1	50.356
Sample 10	Fortified	50	13.19	10	100	0.25	0.1	52.748
Sample 11	Fortified	150	15.07	10	100	0.1	0.1	150.7
Sample 12	Fortified	150	15.59	10	100	0.1	0.1	155.94
Sample 13	Fortified	150	15.33	10	100	0.1	0.1	153.32
Sample 14	Fortified	150	15.20	10	100	0.1	0.1	152.01
Sample 15	Fortified	150	15.34	10	100	0.1	0.1	153.39
Sample 16	Fortified	500	20.77	10	100	0.04	0.1	519.175
Sample 17	Fortified	500	20.74	10	100	0.04	0.1	518.55
Sample 18	Fortified	500	20.83	10	100	0.04	0.1	520.75
Sample 19	Fortified	500	20.61	10	100	0.04	0.1	515.25
Sample 20	Fortified	500	20.99	10	100	0.04	0.1	524.7

Deer Feed-Day 1			12/12/2025					
Sample ID	Type	Assigned Value (ppm)	Instrument reading (ppb)	Sample Weight (g)	Extraction voln (mL)	Aliquot 1 (mL)	Aliquot 2 (mL)	Ivermectin Guarantee (µg/g)
STD-1	Standard	0.5	0.42					
STD-2	Standard	1	1.03					
STD-3	Standard	2.5	2.68					
STD-4	Standard	5	5.11					
STD-5	Standard	10	10.77					
STD-6	Standard	25	23.99					
Sample 1	Fortified	5	5.31	10	100	1	0.1	5.309
Sample 2	Fortified	5	5.07	10	100	1	0.1	5.068
Sample 3	Fortified	5	5.33	10	100	1	0.1	5.326
Sample 4	Fortified	5	5.10	10	100	1	0.1	5.104
Sample 5	Fortified	5	5.23	10	100	1	0.1	5.227
Sample 6	Fortified	50	12.97	10	100	0.25	0.1	51.86
Sample 7	Fortified	50	12.55	10	100	0.25	0.1	50.196
Sample 8	Fortified	50	12.59	10	100	0.25	0.1	50.34
Sample 9	Fortified	50	12.73	10	100	0.25	0.1	50.936
Sample 10	Fortified	50	12.88	10	100	0.25	0.1	51.512
Sample 11	Fortified	150	15.30	10	100	0.1	0.1	153.03
Sample 12	Fortified	150	15.70	10	100	0.1	0.1	157.01
Sample 13	Fortified	150	15.51	10	100	0.1	0.1	155.13
Sample 14	Fortified	150	15.69	10	100	0.1	0.1	156.94
Sample 15	Fortified	150	15.52	10	100	0.1	0.1	155.15
Sample 16	Fortified	500	20.61	10	100	0.04	0.1	515.125
Sample 17	Fortified	500	21.08	10	100	0.04	0.1	527.05
Sample 18	Fortified	500	20.72	10	100	0.04	0.1	518
Sample 19	Fortified	500	20.35	10	100	0.04	0.1	508.7
Sample 20	Fortified	500	20.93	10	100	0.04	0.1	523.225

Deer Feed-Day 2			12/16/2025					
Sample ID	Type	Assigned Value (ppm)	Instrument reading (ppb)	Sample Weight (g)	Extraction voln (mL)	Aliquot 1 (mL)	Aliquot 2 (mL)	Ivermectin Guarantee (µg/g)
STD-1	Standard	0.5	0.46					
STD-2	Standard	1	1.03					
STD-3	Standard	2.5	2.65					
STD-4	Standard	5	4.88					
STD-5	Standard	10	10.49					
STD-6	Standard	25	24.50					
Sample 1	Fortified	5	4.54	10	100	1	0.1	4.538
Sample 2	Fortified	5	4.84	10	100	1	0.1	4.841
Sample 3	Fortified	5	4.96	10	100	1	0.1	4.956
Sample 4	Fortified	5	5.01	10	100	1	0.1	5.009
Sample 5	Fortified	5	4.90	10	100	1	0.1	4.899
Sample 6	Fortified	50	12.28	10	100	0.25	0.1	49.104
Sample 7	Fortified	50	12.46	10	100	0.25	0.1	49.844
Sample 8	Fortified	50	11.86	10	100	0.25	0.1	47.42
Sample 9	Fortified	50	11.74	10	100	0.25	0.1	46.976
Sample 10	Fortified	50	12.15	10	100	0.25	0.1	48.612
Sample 11	Fortified	150	14.95	10	100	0.1	0.1	149.52
Sample 12	Fortified	150	16.35	10	100	0.1	0.1	163.5
Sample 13	Fortified	150	15.74	10	100	0.1	0.1	157.38
Sample 14	Fortified	150	15.27	10	100	0.1	0.1	152.72
Sample 15	Fortified	150	14.85	10	100	0.1	0.1	148.48
Sample 16	Fortified	500	19.54	10	100	0.04	0.1	488.45
Sample 17	Fortified	500	19.45	10	100	0.04	0.1	486.3
Sample 18	Fortified	500	18.29	10	100	0.04	0.1	457.25
Sample 19	Fortified	500	19.49	10	100	0.04	0.1	487.225
Sample 20	Fortified	500	18.65	10	100	0.04	0.1	466.325

Deer Feed-Day 3			12/15/2025						
Sample ID	Type	Assigned Value (ppm)	Instrument reading (ppb)	Sample Weight (g)	Extraction voln (mL)	Aliquot 1 (mL)	Aliquot 2 (mL)	Ivermectin Guarantee (µg/g)	
STD-1	Standard	0.5	0.45						
STD-2	Standard	1	1.05						
STD-3	Standard	2.5	2.54						
STD-4	Standard	5	5.17						
STD-5	Standard	10	10.39						
STD-6	Standard	25	24.41						
Sample 1	Fortified	5	5.15	10	100	1	0.1	5.151	
Sample 2	Fortified	5	5.17	10	100	1	0.1	5.17	
Sample 3	Fortified	5	5.06	10	100	1	0.1	5.058	
Sample 4	Fortified	5	5.37	10	100	1	0.1	5.374	
Sample 5	Fortified	5	5.26	10	100	1	0.1	5.255	
Sample 6	Fortified	50	13.46	10	100	0.25	0.1	53.824	
Sample 7	Fortified	50	12.99	10	100	0.25	0.1	51.94	
Sample 8	Fortified	50	12.90	10	100	0.25	0.1	51.604	
Sample 9	Fortified	50	13.06	10	100	0.25	0.1	52.256	
Sample 10	Fortified	50	13.12	10	100	0.25	0.1	52.48	
Sample 11	Fortified	150	15.20	10	100	0.1	0.1	151.98	
Sample 12	Fortified	150	15.88	10	100	0.1	0.1	158.84	
Sample 13	Fortified	150	14.98	10	100	0.1	0.1	149.78	
Sample 14	Fortified	150	15.64	10	100	0.1	0.1	156.38	
Sample 15	Fortified	150	15.15	10	100	0.1	0.1	151.48	
Sample 16	Fortified	500	20.28	10	100	0.04	0.1	507	
Sample 17	Fortified	500	20.57	10	100	0.04	0.1	514.275	
Sample 18	Fortified	500	20.83	10	100	0.04	0.1	520.7	
Sample 19	Fortified	500	20.77	10	100	0.04	0.1	519.225	
Sample 20	Fortified	500	19.93	10	100	0.04	0.1	498.275	