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1 ACEITILLO  
(*Bidens leucantha wild*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	69.5 ± 8.13	11.69	—	—	2
Proteína cruda	5.7 ± 1.55	42.04	12.0 ± 1.91	15.84	2
Grasa cruda	0.5 ± 0.07	12.86	1.7 ± 0.35	20.20	2
Fibra cruda	7.3 ± 1.77	24.05	24.3 ± 0.92	3.77	2
Minerales	3.2 ± 1.27	39.77	10.4 ± 1.27	12.24	2
E.L.N.	15.5 ± 3.61	23.19	51.3 ± 1.91	3.72	2

2 AJONJOLI PASTA 5-04-221  
(*Sesamum indicum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.9 ± 2.09	30.45	—	—	40
Proteína cruda	39.4 ± 8.75	22.23	42.5 ± 9.74	22.91	43
Grasa cruda	6.2 ± 2.72	45.98	6.3 ± 2.91	45.87	37
Fibra cruda	7.9 ± 5.58	68.06	8.5 ± 5.62	66.17	37
Minerales	10.7 ± 2.59	24.20	11.2 ± 3.27	29.30	38
E.L.N.	29.2 ± 7.86	26.87	31.3 ± 8.83	28.18	37

3 AJONJOLI PASTA CON GASCARILLLA 5-11-535  
(*Sesamum indicum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.0 ± 0.80	11.43	—	—	3
Proteína cruda	17.3 ± 1.37	7.95	18.7 ± 1.26	6.47	3
Grasa cruda	6.2 ± 4.20	68.15	6.6 ± 4.45	67.47	3
Fibra cruda	28.7 ± 12.96	45.22	31.0 ± 14.15	47.70	3
Minerales	6.2 ± 2.62	41.97	6.7 ± 2.87	43.01	3
E.L.N.	34.5 ± 10.91	31.65	37.2 ± 11.44	30.75	3

4 AJONJOLI SUBPRODUCTOS 4-09-587  
(*Sesamum indicum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.6 ± 0.0	0.0	—	—	1
Proteína cruda	13.4 ± 0.0	0.0	14.3 ± 0.0	0.0	1
Grasa cruda	2.6 ± 0.0	0.0	3.0 ± 0.0	0.0	1
Fibra cruda	7.2 ± 0.0	0.0	7.4 ± 0.0	0.0	1
Minerales	15.2 ± 0.0	0.0	16.3 ± 0.0	0.0	1
E.L.N.	54.8 ± 0.0	0.0	58.6 ± 0.0	0.0	1

5 AJONJOLI VARA 1-13-715  
(*Sesamum indicum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.4 ± 0.0	0.0	—	—	1
Proteína cruda	1.8 ± 0.0	0.0	1.9 ± 0.0	0.0	1
Grasa cruda	2.0 ± 0.0	0.0	2.1 ± 0.0	0.0	1
Fibra cruda	48.5 ± 0.0	0.0	52.3 ± 0.0	0.0	1
Minerales	4.7 ± 0.0	0.0	5.1 ± 0.0	0.0	1
E.L.N.	35.6 ± 0.0	0.0	38.4 ± 0.0	0.0	1

6 ALEMAN HOJAS 1-13-438  
(*Echinochloa polystachya*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	75.1 ± 0.0	0.0	—	—	1
Proteína cruda	1.3 ± 0.0	0.0	5.2 ± 0.0	0.0	1
Grasa cruda	0.3 ± 0.0	0.0	1.2 ± 0.0	0.0	1
Fibra cruda	9.6 ± 0.0	0.0	38.5 ± 0.0	0.0	1
Minerales	2.4 ± 0.0	0.0	9.6 ± 0.0	0.0	1
E.L.N.	11.2 ± 0.0	0.0	45.0 ± 0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

7 ALEMAN ESPIGAS 1-13-439  
(*Echinochloa polystachya*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.8 ± 1.13	12.86	—	—	2
Proteína cruda	6.3 ± 1.98	51.43	6.9 ± 2.12	30.74	2
Grasa cruda	1.1 ± 0.14	12.86	1.2 ± 0.14	11.78	2
Fibra cruda	30.1 ± 1.20	3.99	33.0 ± 2.05	6.20	2
Minerales	16.0 ± 1.20	7.49	17.6 ± 1.06	6.00	2
E.L.N.	36.3 ± 1.91	5.25	39.9 ± 2.76	6.90	2

8 ANCHOVETA HARINA 5-13-459  
(*Engraulis spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.3 ± 1.84	29.18	—	—	2
Proteína cruda	54.0 ± 2.78	5.16	59.3 ± 1.98	3.35	5
Grasa cruda	6.2 ± 1.70	27.37	6.7 ± 1.55	23.22	2
Fibra cruda	0.5 ± 0.78	141.42	0.6 ± 0.85	141.42	2
Minerales	22.2 ± 8.20	36.95	23.9 ± 7.92	33.14	2
E.L.N.	8.3 ± 9.97	119.40	9.2 ± 11.10	120.02	2

9 SUBDERIVADOS DE ORIGEN MARINO

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.1 ± 0.0	0.0	—	—	1
Proteína cruda	40.9 ± 0.0	0.0	44.0 ± 0.0	0.0	1
Grasa cruda	8.3 ± 0.0	0.0	8.9 ± 0.0	0.0	1
Fibra cruda	2.0 ± 0.0	0.0	2.2 ± 0.0	0.0	1
Minerales	30.4 ± 0.0	0.0	32.7 ± 0.0	0.0	1
E.L.N.	11.2 ± 0.0	0.0	12.1 ± 0.0	0.0	1

10 ALFALFA FRESCA 2-00-181  
(*Medicago sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	76.7 ± 3.25	4.23	—	—	9
Proteína cruda	5.3 ± 0.89	16.85	23.0 ± 3.81	16.52	9
Grasa cruda	0.6 ± 0.12	18.85	2.8 ± 0.53	18.68	9
Fibra cruda	6.0 ± 1.80	50.03	25.7 ± 6.38	24.86	9
Minerales	2.7 ± 0.45	16.54	11.9 ± 1.46	12.31	9
E.L.N.	8.5 ± 1.94	22.93	36.1 ± 4.31	13.34	9

11 ALFALFA SECA AL SOL 1-00-14  
(*Medicago sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	9.9 ± 6.21	62.89	—	—	61
Proteína cruda	28.2 ± 1.56	6.72	25.6 ± 2.35	9.18	61
Grasa cruda	2.4 ± 1.16	47.40	2.7 ± 1.23	46.31	61
Fibra cruda	18.1 ± 7.90	43.66	20.1 ± 8.77	43.57	61
Minerales	10.6 ± 3.67	34.61	11.7 ± 3.79	32.47	61
E.L.N.	36.5 ± 6.30	17.28	40.2 ± 6.38	15.85	61

12 ALFALFA ENSILADA 3-00-221  
(*Medicago sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	65.5 ± 12.06	18.42	—	—	5
Proteína cruda	7.2 ± 2.88	39.96	20.5 ± 1.86	9.07	5
Grasa cruda	1.5 ± 0.57	37.62	4.9 ± 2.11	42.98	5
Fibra cruda	7.1 ± 3.55	50.00	20.2 ± 4.28	21.25	5
Minerales	6.9 ± 5.59	81.21	18.1 ± 7.14	39.48	5
E.L.N.	11.8 ± 2.11	17.93	36.2 ± 8.87	24.51	5

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 13 ALGAS MARINAS

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	13.2±0.0	0.0	—	—	1
Proteína cruda	6.6±0.0	0.0	7.6±0.0	0.0	1
Grasa cruda	3.6±0.0	0.0	4.1±0.0	0.0	1
Fibra cruda	4.9±0.0	0.0	5.6±0.0	0.0	1
Minerales	14.5±0.0	0.0	16.7±0.0	0.0	1
E.L.N.	57.1±0.0	0.0	65.8±0.0	0.0	1

14 ALGODON HARINA 5-13-695  
(*Gossypium hirsutum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.5±1.71	26.20	—	—	64
Proteína cruda	36.0±5.96	16.57	38.5±6.51	16.93	74
Grasa cruda	4.5±2.21	49.48	4.7±2.36	49.73	62
Fibra cruda	14.7±5.95	40.55	15.6±6.33	40.56	62
Minerales	7.2±2.36	32.73	7.7±2.51	32.34	62
E.L.N.	30.8±6.10	19.78	32.7±5.69	17.39	22

15 ALGODON CASCARILLA 1-01-599  
(*Gossypium hirsutum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.9±1.18	17.12	—	—	5
Proteína cruda	7.2±2.72	37.59	7.8±2.94	37.82	5
Grasa cruda	4.3±2.85	69.95	4.7±3.12	66.78	5
Fibra cruda	42.2±6.70	15.88	45.3±7.17	15.83	5
Minerales	8.0±4.93	61.45	8.6±5.32	61.91	5
E.L.N.	31.2±8.78	28.16	33.4±9.10	27.22	5

16 ARROZ SALVADILLO 1-09-465  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.7± 3.45	44.87	—	—	10
Proteína cruda	11.5± 5.65	59.05	12.6± 6.20	49.20	10
Grasa cruda	5.0± 3.89	77.50	5.4± 4.02	73.87	10
Fibra cruda	18.5±12.48	67.48	20.1±13.52	67.20	10
Minerales	12.5± 7.23	57.66	13.6± 7.72	56.67	10
E.L.N.	41.7±16.08	38.55	45.8±18.16	39.63	10

17 ARROZ SUBPRODUCTOS 4-03-937  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.0±0.0	0.0	—	—	1
Proteína cruda	15.7±0.0	0.0	16.9±0.0	—	1
Grasa cruda	5.5±0.0	0.0	5.9±0.0	—	1
Fibra cruda	4.0±0.0	0.0	4.3±0.0	—	1
Minerales	7.9±0.0	0.0	8.5±0.0	—	1
E.L.N.	59.8±0.0	0.0	64.3±0.0	—	1

18 ARROZ GRANO 4-13-299  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.5±2.40	28.13	—	—	17
Proteína cruda	12.4±2.33	18.87	13.5±2.59	19.14	17
Grasa cruda	11.1±4.80	43.08	12.2±5.30	43.37	16
Fibra cruda	8.2±5.59	68.09	8.9±5.99	67.11	16
Minerales	8.3±4.11	49.22	9.1±4.69	51.35	16
E.L.N.	51.0±7.36	14.42	55.7±8.00	14.37	16

S = Desviación estándar.

N = Número de observaciones.

C.V. = Coeficiente de variación.

E.L.N. = Extracto libre de nitrógeno.

19 ARROZ PAJA 1-03-925  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.8±3.39	38.57	—	—	2
Proteína cruda	4.5±1.34	29.53	5.0±1.69	33.94	2
Grasa cruda	1.8±0.49	26.75	2.0±0.42	21.21	2
Fibra cruda	24.3±1.27	5.24	26.7±2.40	9.00	2
Minerales	16.2±0.85	5.24	17.7±0.21	1.19	2
E.L.N.	44.2±4.74	10.71	48.4±3.39	7.01	2

20 ARROZ PULIDURAS 4-13-300  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.8± 3.96	44.99	—	—	2
Proteína cruda	10.1± 3.60	35.53	11.2± 4.45	39.50	2
Grasa cruda	5.5± 2.26	41.14	5.9± 2.19	36.84	2
Fibra cruda	9.4±12.87	136.91	10.0±13.72	137.18	2
Minerales	16.7±18.31	109.34	17.9±19.23	107.45	2
E.L.N.	49.2±25.95	52.69	54.6±30.76	56.28	2

21 ARROZ CABECILLA 5-09-905  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.8± 1.48	16.78	—	—	2
Proteína cruda	12.3± 5.51	44.84	13.4± 5.86	43.64	2
Grasa cruda	9.9±11.10	11.57	10.8±12.02	111.30	2
Fibra cruda	3.2± 3.04	93.56	3.5± 3.25	92.93	2
Minerales	4.9± 3.53	72.15	5.3± 3.82	72.04	2
E.L.N.	60.7±21.71	35.73	66.8±24.96	37.34	2

22 ARROZ CASCARILLA 1-08-075 1-09-075  
(*Oriza sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.7±0.28	4.22	—	—	2
Proteína cruda	2.6±1.20	45.36	2.8±1.27	45.46	2
Grasa cruda	1.2±1.20	96.17	1.3±1.27	97.91	2
Fibra cruda	37.8±6.93	18.33	40.5±7.35	18.16	2
Minerales	18.9±4.88	25.75	20.2±5.16	25.49	2
E.L.N.	32.5±9.19	28.28	34.8±9.97	28.61	2

23 AVENA GRANO 4-03-309  
(*Avena sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.6±1.94	22.46	—	—	10
Proteína cruda	10.6±2.65	25.04	11.6±2.95	25.49	10
Grasa cruda	4.7±2.65	56.42	5.1±2.91	56.57	10
Fibra cruda	11.1±7.02	63.24	12.0±7.51	62.69	10
Minerales	4.1±1.51	37.24	4.4±1.62	36.55	10
E.L.N.	60.4±5.70	9.43	66.1±7.72	11.69	10

24 AVENA PARTE AEREA SECA 1-13-069  
(*Avena sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.0±0.0	0.0	—	—	1
Proteína cruda	2.8±0.0	0.0	3.0±0.0	0.0	1
Grasa cruda	1.3±0.0	0.0	1.4±0.0	0.0	1
Fibra cruda	28.1±0.0	0.0	30.2±0.0	0.0	1
Minerales	5.5±0.0	0.0	5.9±0.0	0.0	1
E.L.N.	55.2±0.0	0.0	59.3±0.0	0.0	1

S = Desviación estándar.

N = Número de observaciones.

C.V. = Coeficiente de variación.

E.L.N. = Extracto libre de nitrógeno.

25 AVENA RESIDUOS 2-13-589  
(*Avena sativa*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.9±0.14	1.79	—	—	2
Proteína cruda	6.2±4.17	66.75	6.8±4.45	65.03	2
Grasa cruda	3.7±1.98	53.51	4.0±0.05	50.58	2
Fibra cruda	26.8±4.45	16.59	29.1±4.81	16.52	2
Minerales	6.6±0.57	8.57	7.1±0.64	8.90	2
E.L.N.	47.6±0.42	0.89	51.6±0.49	0.96	2

26 BRACHIARIA 2-13-887  
(*Brachiaria decumbens*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	4.7±0.14	3.00	—	—	2
Proteína cruda	6.3±0.21	3.34	6.6±0.21	3.19	2
Grasa cruda	1.2±0.0	0.0	1.2±0.07	5.66	2
Fibra cruda	30.6±0.35	1.15	32.1±0.42	1.32	2
Minerales	10.5±0.28	2.69	11.0±0.28	2.57	2
E.L.N.	46.5±0.0	0.0	48.7±0.07	0.14	2

27 BERMUDA 1-10-608  
(*Cynodon dactylon*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	58.3±30.56	52.44	—	—	3
Proteína cruda	4.5±0.84	18.50	15.1±9.32	61.71	3
Grasa cruda	1.0±0.30	30.00	3.0±1.30	43.33	3
Fibra cruda	11.9±10.97	99.47	25.8±5.81	22.48	3
Minerales	-3.5±0.98	28.14	10.1±3.87	38.36	3
E.L.N.	20.8±18.74	90.12	45.8±8.58	18.72	3

28 BOUTELOUA CHASEI 1-15-449

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	3.1±1.63	52.29	—	—	24
Proteína cruda	6.0±0.78	13.11	6.2±1.0	15.94	24
Grasa cruda	2.1±0.27	12.52	2.2±0.30	13.66	24
Fibra cruda	29.1±1.46	5.00	30.0±1.69	5.62	24
Minerales	9.4±1.35	14.37	9.7±1.36	14.10	24
E.L.N.	50.4±1.91	3.78	52.1±1.87	3.59	24

29 BRAMILLA

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	33.5±0.0	0.0	—	—	1
Proteína cruda	6.1±0.0	0.0	9.2±0.0	0.0	1
Grasa cruda	1.5±0.0	0.0	2.2±0.0	0.0	1
Fibra cruda	32.8±0.0	0.0	49.3±0.0	0.0	1
Minerales	9.4±0.0	0.0	14.1±0.0	0.0	1
E.L.N.	40.1±0.0	0.0	60.3±0.0	0.0	1

30 BRONWEIS

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	56.4±0.0	0.0	—	—	1
Proteína cruda	3.3±0.0	0.0	7.5±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	0.7±0.0	0.0	1
Fibra cruda	12.3±0.0	0.0	28.3±0.0	0.0	1
Minerales	7.5±0.0	0.0	17.3±0.0	0.0	1
E.L.N.	20.1±0.0	0.0	46.2±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

31 BUFFEL 2-11-368  
(*Cenchrus ciliaris*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.7±0.82	14.42	—	—	7
Proteína cruda	8.3±1.51	18.26	8.8±1.59	18.12	7
Grasa cruda	1.3±0.24	18.29	1.4±0.28	19.76	7
Fibra cruda	30.6±4.07	13.29	32.3±4.45	13.79	7
Minerales	14.5±5.74	39.63	15.3±5.94	38.80	7
E.L.N.	39.6±2.63	6.66	41.9±3.07	7.33	7

32 CACAHUATE SALVADO 1-03-627  
(*Arachis hypogaea*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.0±0.0	0.0	—	—	1
Proteína cruda	8.8±0.0	0.0	9.1±0.0	0.0	1
Grasa cruda	2.1±0.0	0.0	2.2±0.0	0.0	1
Fibra cruda	58.2±0.0	0.0	59.9±0.0	0.0	1
Minerales	8.4±0.0	0.0	8.6±0.0	0.0	1
E.L.N.	15.4±0.0	0.0	15.9±0.0	0.0	1

33 CACAHUATE PASTA 5-03-648  
(*Arachis hypogaea*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.3±2.01	37.92	—	—	6
Proteína cruda	40.6±9.46	23.28	42.8±9.89	23.10	6
Grasa cruda	12.6±17.38	138.11	13.0±17.72	136.13	6
Fibra cruda	9.5±8.59	90.59	10.0±9.37	94.06	6
Minerales	5.4±1.72	31.70	5.7±1.83	31.89	6
E.L.N.	26.3±6.71	25.47	27.8±7.40	26.56	6

34 CACAHUATE CASCARILLA 1-08-028  
(*Arachis hypogaea*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.9±0.14	2.40	—	—	2
Proteína cruda	10.5±4.88	46.25	11.2±5.23	46.72	2
Grasa cruda	4.3±3.18	73.15	4.6±3.39	73.78	2
Fibra cruda	52.7±10.39	19.70	56.0±10.96	19.55	2
Minerales	5.1±0.99	19.41	5.4±1.06	19.46	2
E.L.N.	21.2±1.20	5.66	22.5±1.34	5.96	2

35 CACAHUATE PAJA 2-15-445  
(*Arachis hypogaea*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.9±2.33	40.56	—	—	3
Proteína cruda	22.6±1.09	4.82	24.4±2.17	8.89	3
Grasa cruda	2.5±1.30	52.75	2.7±1.30	48.80	3
Fibra cruda	21.7±13.54	62.31	23.9±14.63	61.12	3
Minerales	9.7±5.28	54.48	10.8±6.30	58.16	3
E.L.N.	34.1±7.56	22.18	37.8±10.07	26.62	3

36 CACAO CASCARILLA 1-01-051  
(*Theobroma cacao*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.7±3.52	45.75	—	—	6
Proteína cruda	8.8±1.67	19.04	9.5±1.50	15.71	6
Grasa cruda	3.0±4.18	137.18	4.8±4.50	95.68	6
Fibra cruda	30.7±16.09	52.44	33.2±18.10	54.45	5
Minerales	6.3±2.17	34.61	6.8±2.51	37.09	4
E.L.N.	48.4±3.01	6.22	51.9±4.89	8.46	4

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

37 CADILLO  
(*Cenchrus echinatus*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	64.2±0.0	0.0	—	—	1
Proteína cruda	5.9±0.0	0.0	16.5±0.0	0.0	1
Grasa cruda	1.0±0.0	0.0	2.8±0.0	0.0	1
Fibra cruda	10.6±0.0	0.0	29.6±0.0	0.0	1
Minerales	2.5±0.0	0.0	7.0±0.0	0.0	1
E.L.N.	15.7±0.0	0.0	43.8±0.0	0.0	1

38 CAFE BAGAZO 1-11-477  
(*Coffea spp*)

Humedad	10.9±4.38	40.22	—	—	2
Proteína cruda	13.5±0.21	1.57	15.2±0.57	3.72	2
Grasa cruda	6.9±4.81	69.69	7.6±5.02	65.63	2
Fibra cruda	59.6±4.60	7.70	67.1±8.48	12.65	2
Minerales	0.8±0.35	41.59	0.9±0.35	37.22	2
E.L.N.	8.0±3.75	46.55	9.0±3.82	42.43	2

39 CAFE CASCARA 1-11-475  
(*Coffea arabica*)

Humedad	13.0±5.81	44.78	—	—	4
Proteína cruda	6.2±3.37	54.31	7.0±3.88	55.59	4
Grasa cruda	1.1±0.71	63.43	1.2±0.76	60.75	4
Fibra cruda	43.5±21.79	50.06	48.2±23.13	47.97	4
Minerales	4.1±3.54	85.25	4.7±4.04	86.08	4
E.L.N.	35.8±13.55	37.79	40.2±15.84	39.38	4

40 CAFE PASTA 1-11-747  
(*Coffea arabica*)

Humedad	10.3±3.81	37.05	—	—	3
Proteína cruda	10.4±1.73	16.65	11.4±1.62	14.30	3
Grasa cruda	1.2±0.26	22.05	1.4±0.32	23.52	3
Fibra cruda	23.0±4.52	19.63	25.5±3.84	15.03	3
Minerales	8.5±2.13	25.06	9.4±1.96	20.84	3
E.L.N.	43.5±9.54	21.94	50.6±9.39	18.55	3

41 CAFE PULPA 1-13-456  
(*Coffea arabica*)

Humedad	21.9±4.10	18.71	—	—	27
Proteína cruda	14.3±2.48	17.40	18.5±4.05	21.88	27
Grasa cruda	4.0±1.09	27.37	5.5±1.93	35.39	27
Fibra cruda	19.4±3.82	19.71	24.6±4.08	16.56	27
Minerales	5.4±1.07	19.77	6.9±1.25	18.16	27
E.L.N.	35.2±4.99	14.17	44.6±4.72	10.56	27

42 CAFE SUBPRODUCTOS 1-11-476  
(*Coffea spp*)

Humedad	9.0±0.0	0.0	—	—	1
Proteína cruda	14.9±0.0	0.0	16.4±0.0	0.0	1
Grasa cruda	3.0±0.0	0.0	3.2±0.0	0.0	1
Fibra cruda	16.1±0.0	0.0	17.0±0.0	0.0	1
Minerales	1.8±0.0	0.0	1.9±0.0	0.0	1
E.L.N.	55.0±0.0	0.0	58.1±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

43 CAGUAMA HARINA DESENGRASADA  
(*Carettia spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.9±0.0	0.0	—	—	1
Proteína cruda	64.4±0.0	0.0	70.6±0.0	0.0	1
Grasa cruda	3.1±0.0	0.0	3.4±0.0	0.0	1
Fibra cruda	0.8±0.0	0.0	0.9±0.0	0.0	1
Minerales	13.1±0.0	0.0	14.4±0.0	0.0	1
E.L.N.	9.1±0.0	0.0	10.0±0.0	0.0	1

44 CAGUAMA HARINA SIN DESENGRASAR  
(*Carettia spp*)

Humedad	8.4±0.40	4.79	—	—	3
Proteína cruda	33.6±20.45	60.81	36.8±22.51	61.22	3
Grasa cruda	22.0±16.74	76.12	23.6±18.74	79.42	3
Fibra cruda	1.1±0.36	32.78	1.2±0.36	30.05	3
Minerales	24.1±10.56	43.84	26.3±11.41	43.46	3
E.L.N.	9.7±7.78	79.91	10.6±8.53	80.45	3

45 CALABAZA SEMILLA 5-08-492  
(*Cucurbita pepo*)

Humedad	8.6±4.67	54.27	—	—	2
Proteína cruda	25.1±8.10	32.27	27.0±8.38	31.08	2
Grasa cruda	25.0±24.96	99.64	26.7±25.88	96.93	2
Fibra cruda	16.5±23.33	141.42	18.7±26.44	141.42	2
Minerales	5.1±1.55	30.50	5.6±1.98	35.35	2
E.L.N.	19.5±13.51	69.08	21.7±15.91	73.15	2

46 CALABAZA SEMILLA PASTA  
(*Cucurbita pepo*)

Humedad	6.6±0.32	8.89	—	—	3
Proteína cruda	33.0±3.96	12.00	35.3±4.31	12.21	3
Grasa cruda	14.8±14.41	97.60	15.7±15.25	97.13	3
Fibra cruda	10.8±8.09	74.71	31.1±35.76	115.00	3
Minerales	6.2±2.76	44.55	23.6±32.37	136.95	3
E.L.N.	37.9±9.79	25.82	30.6±25.06	81.99	3

47 CALABAZA SEMILLA CASCARA  
(*Cucurbita pepo*)

Humedad	7.4±0.0	0.0	—	—	1
Proteína cruda	33.1±0.0	0.0	35.7±0.0	0.0	1
Grasa cruda	27.3±0.0	0.0	29.4±0.0	0.0	1
Fibra cruda	21.4±0.0	0.0	23.1±0.0	0.0	1
Minerales	3.9±0.0	0.0	4.2±0.0	0.0	1
E.L.N.	6.9±0.0	0.0	7.4±0.0	0.0	1

48 CAMARON CABEZA CASCARA  
(*Leandria spp*)

Humedad	3.8±0.0	0.0	—	—	1
Proteína cruda	45.0±0.0	0.0	46.7±0.0	0.0	1
Grasa cruda	5.5±0.0	0.0	5.7±0.0	0.0	1
Fibra cruda	9.1±0.0	0.0	9.4±0.0	0.0	1
Minerales	17.1±0.0	0.0	19.8±0.0	0.0	1
E.L.N.	12.9±0.0	0.0	13.4±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 49 CAMBOLIA

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	11.4±0.0	0.0	—	—	1
Proteína cruda	29.0±0.0	0.0	32.7±0.0	0.0	1
Grasa cruda	1.6±0.0	0.0	1.8±0.0	0.0	1
Fibra cruda	6.8±0.0	0.0	7.6±0.0	0.0	1
Minerales	3.0±0.0	0.0	3.4±0.0	0.0	1
E.L.N.	48.1±0.0	0.0	54.2±0.0	0.0	1

50 CAMOTE TUBERCULO. 4-08-536  
(*Ipomoea batata*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.2±0.07	1.13	—	—	2
Proteína cruda	9.4±0.99	10.53	10.2±0.78	7.59	2
Grasa cruda	3.3±1.63	48.55	2.6±0.14	5.44	2
Fibra cruda	2.9±0.35	11.98	3.2±0.21	6.53	2
Minerales	3.4±0.42	12.48	3.7±0.28	7.64	2
E.L.N.	73.6±0.71	0.96	80.1±1.48	1.85	2

51 CAMOTE ENSILAJE  
(*Ipomoea batata*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	70.3±0.0	0.0	—	—	1
Proteína cruda	1.7±0.0	0.0	5.7±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	1.0±0.0	0.0	1
Fibra cruda	0.8±0.0	0.0	2.7±0.0	0.0	1
Minerales	2.0±0.0	0.0	6.7±0.0	0.0	1
E.L.N.	24.8±0.0	0.0	83.5±0.0	0.0	1

52 CAÑA PUNTAS ENSILADA 3-13-250  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	77.9±0.0	0.0	—	—	1
Proteína cruda	3.4±0.0	0.0	15.4±0.0	0.0	1
Grasa cruda	0.6±0.0	0.0	2.7±0.0	0.0	1
Fibra cruda	7.5±0.0	0.0	33.9±0.0	0.0	1
Minerales	2.4±0.0	0.0	10.8±0.0	0.0	1
E.L.N.	8.2±0.0	0.0	37.2±0.0	0.0	1

53 CAÑA PUNTAS FRESCAS 2-13-568  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	55.6±34.32	61.75	—	—	4
Proteína cruda	2.1±1.03	48.51	5.4±1.65	30.35	4
Grasa cruda	0.8±0.67	83.54	1.9±1.25	65.74	4
Fibra cruda	15.6±11.98	76.68	35.0±2.88	8.22	4
Minerales	3.5±2.82	81.30	7.67±1.99	25.89	4
E.L.N.	22.3±18.03	80.76	49.6±2.77	8.59	4

54 CAÑA PUNTAS SECAS  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	40.3±46.81	116.15	—	—	2
Proteína cruda	4.1±3.11	75.88	6.9±0.21	3.05	2
Grasa cruda	0.7±0.42	60.61	1.3±0.28	21.76	2
Fibra cruda	20.9±17.39	83.23	34.0±2.40	7.07	2
Minerales	8.5±8.70	101.72	12.4±4.81	38.78	2
E.L.N.	25.3±17.11	67.64	44.9±6.58	14.63	2

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

55 CAÑA BAGAZO 1-04-686  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.2±6.75	81.86	—	—	12
Proteína cruda	1.5±0.42	28.39	1.5±0.47	30.45	12
Grasa cruda	0.9±0.41	46.13	0.9±0.42	44.29	11
Fibra cruda	35.6±7.65	21.57	38.51±7.09	18.41	12
Minerales	3.4±1.17	34.15	3.7±1.19	32.02	11
E.L.N.	50.2±5.68	11.32	54.9±6.23	11.35	11

56 CAÑA FIBRA SIN PUNTAS  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	10.6±0.0	0.0	—	—	1
Proteína cruda	0.8±0.0	0.0	0.9±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	0.3±0.0	0.0	1
Fibra cruda	33.0±0.0	0.0	36.9±0.0	0.0	1
Minerales	1.8±0.0	0.0	2.1±0.0	0.0	1
E.L.N.	53.44±0.0	0.0	59.7±0.0	0.0	1

57 CAÑA ENTERA 1-09-704  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.3±0.14	2.67	—	—	2
Proteína cruda	2.0±0.35	17.25	2.1±0.35	16.44	2
Grasa cruda	0.4±0.21	47.14	0.4±0.21	47.14	2
Fibra cruda	28.4±9.97	35.04	30.0±10.61	35.35	2
Minerales	4.5±0.21	4.66	4.7±0.14	3.00	2
E.L.N.	59.2±10.46	17.68	62.4±10.96	17.55	2

58 CAÑA TALLOS 1-09-594  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	68.3±31.64	46.35	—	—	6
Proteína cruda	1.5±1.42	96.78	4.1±1.18	29.12	6
Grasa cruda	0.8±0.30	39.27	2.8±2.08	73.02	6
Fibra cruda	13.1±11.35	86.29	31.1±2.61	8.39	6
Minerales	4.0±4.34	108.17	8.0±2.96	36.74	6
E.L.N.	28.8±21.84	91.62	53.4±7.25	13.57	6

59 CAÑA TALLOS ENSILADOS  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	77.1±0.0	0.0	—	—	1
Proteína cruda	0.8±0.0	0.0	3.5±0.0	0.0	1
Grasa cruda	0.5±0.0	0.0	2.2±0.0	0.0	1
Fibra cruda	8.9±0.0	0.0	38.8±0.0	0.0	1
Minerales	2.2±0.0	0.0	9.6±0.0	0.0	1
E.L.N.	10.3±0.0	0.0	45.0±0.0	0.0	1

60 CAÑA MELAZA 4-13-251  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	22.4±10.71	47.72	—	—	16
Proteína cruda	3.4±2.40	69.60	4.6±2.63	57.25	16
Grasa cruda	0.9±1.31	145.95	1.1±1.57	144.37	15
Fibra cruda	0.2±0.78	360.55	0.3±0.97	360.55	13
Minerales	11.1±2.48	22.27	13.8±3.48	25.13	16
E.L.N.	62.9±9.12	14.49	80.6±5.60	6.94	15

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

61 CAÑA MELAZA FOSFATADA  
(*Saccharum officinarum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	13.1±0.0	0.0	—	—	1
Proteína cruda	11.3±0.0	0.0	13.0±0.0	0.0	1
Grasa cruda	0.8±0.0	0.0	0.9±0.0	0.0	1
Fibra cruda	0.0±0.0	0.0	0.0±0.0	0.0	1
Minerales	13.4±0.0	0.0	15.4±0.0	0.0	1
E.L.N.	61.3±0.0	0.0	70.5±0.0	0.0	1

62 CAPITANEJA PLANTA COMPLETA

Humedad	79.3±0.0	0.0	—	—	1
Proteína cruda	4.0±0.0	0.0	19.3±0.0	0.0	1
Grasa cruda	0.8±0.0	0.0	3.9±0.0	0.0	1
Fibra cruda	4.0±0.0	0.0	19.6±0.0	0.0	1
Minerales	3.1±0.0	0.0	15.2±0.0	0.0	1
E.L.N.	8.7±0.0	0.0	41.8±0.0	0.0	1

63 CAPITANEJA TALLOS

Humedad	84.3±0.0	0.0	—	—	1
Proteína cruda	2.0±0.0	0.0	12.7±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	1.3±0.0	0.0	1
Fibra cruda	4.9±0.0	0.0	3.1±0.0	0.0	1
Minerales	2.0±0.0	0.0	12.7±0.0	0.0	1
E.L.N.	6.6±0.0	0.0	41.8±0.0	0.0	1

64 CAPITANEJA HOJAS

Humedad	76.4±0.0	0.0	—	—	1
Proteína cruda	4.7±0.0	0.0	19.9±0.0	0.0	1
Grasa cruda	1.4±0.0	0.0	5.9±0.0	0.0	1
Fibra cruda	2.0±0.0	0.0	8.5±0.0	0.0	1
Minerales	3.7±0.0	0.0	15.7±0.0	0.0	1
E.L.N.	11.8±0.0	0.0	50.0±0.0	0.0	1

65 CAPOMO HOJAS  
(*Brasimum alicastrum*)

Humedad	8.1±0.42	5.24	—	—	2
Proteína cruda	14.4±0.78	5.38	15.7±0.78	4.94	2
Grasa cruda	3.2±0.28	8.84	3.4±0.35	10.25	2
Fibra cruda	16.9±3.75	22.11	18.4±3.96	21.52	2
Minerales	11.7±0.42	3.65	12.7±0.42	3.34	2
E.L.N.	45.6±4.24	9.30	49.6±4.81	9.69	2

66 CAPOMO TALLOS Y HOJAS  
(*Brasimum alicastrum*)

Humedad	18.2±0.0	0.0	—	—	1
Proteína cruda	11.3±0.0	0.0	13.8±0.0	0.0	1
Grasa cruda	2.6±0.0	0.0	3.1±0.0	0.0	1
Fibra cruda	16.9±0.0	0.0	20.6±0.0	0.0	1
Minerales	9.9±0.0	0.0	12.1±0.0	0.0	1
E.L.N.	41.1±0.0	0.0	50.2±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

67 CARNE HARINA 5-13-201

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.5±1.69	26.09	—	—	60
Proteína cruda	46.0±7.88	17.12	49.2± 8.61	17.49	61
Grasa cruda	8.7±3.50	40.32	9.2± 3.71	40.18	60
Fibra cruda	1.2±1.92	155.70	1.3± 2.05	156.80	58
Minerales	28.2±7.59	26.91	30.9±11.36	36.71	60
E.L.N.	10.0±6.78	67.98	11.4± 9.30	81.70	60

68 CARTAMO PASTA 5-04-109  
(*Carthamus tinctorius*)

Humedad	8.4±2.07	24.7	—	—	33
Proteína cruda	21.5±6.01	27.90	23.7± 6.56	27.62	34
Grasa cruda	2.6±4.78	183.94	2.0± 2.27	114.66	31
Fibra cruda	32.3±9.43	29.21	35.1±10.21	29.06	31
Minerales	6.3±3.66	58.20	6.5± 3.20	49.53	30
E.L.N.	30.7±0.87	31.53	33.5±10.59	31.56	30

69 CARTAMO SALVADO  
(*Carthamus tinctorius*)

Humedad	8.8±0.0	0.0	—	—	1
Proteína cruda	3.7±0.0	0.0	4.0±0.0	0.0	1
Grasa cruda	4.0±0.0	0.0	4.4±0.0	0.0	1
Fibra cruda	39.0±0.0	0.0	42.7±0.0	0.0	1
Minerales	6.0±0.0	0.0	6.6±0.0	0.0	1
E.L.N.	38.4±0.0	0.0	42.1±0.0	0.0	1

70 CARTAMO SEMILLA 4-07-958  
(*Carthamus tinctorius*)

Humedad	5.8±1.55	26.88	—	—	3
Proteína cruda	16.8±1.00	6.00	17.8±1.35	7.60	3
Grasa cruda	32.7±3.87	11.85	34.7±4.72	13.60	3
Fibra cruda	22.7±6.62	29.22	24.0±6.73	28.06	3
Minerales	3.8±1.00	26.32	4.0±1.15	28.52	3
E.L.N.	15.8±3.24	20.48	16.7±3.22	19.30	3

71 CARTAMO SEMILLAS SIN CASCARA 5-08-499  
(*Carthamus tinctorius*)

Humedad	4.9±0.0	0.0	—	—	1
Proteína cruda	32.4±0.0	0.0	34.0±0.0	0.0	1
Grasa cruda	2.6±0.0	0.0	2.7±0.0	0.0	1
Fibra cruda	15.2±0.0	0.0	16.0±0.0	0.0	1
Minerales	7.0±0.0	0.0	7.8±0.0	0.0	1
E.L.N.	32.8±0.0	0.0	34.5±0.0	0.0	1

72 CASCABELILLO 2-13-954  
(*Crotalaria incana*)

Humedad	85.2±0.0	0.0	—	—	1
Proteína cruda	4.0±0.0	0.0	27.0±0.0	0.0	1
Grasa cruda	0.5±0.0	0.0	3.8±0.0	0.0	1
Fibra cruda	2.1±0.0	0.0	14.2±0.0	0.0	1
Minerales	1.5±0.0	0.0	10.1±0.0	0.0	1
E.L.N.	6.6±0.0	0.0	44.6±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 73 CASTAÑA ACUATICA OSCURA

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	64.6±0.0	0.0	—	—	1
Proteína cruda	2.1±0.0	0.0	5.9±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	0.8±0.0	0.0	1
Fibra cruda	1.2±0.0	0.0	3.4±0.0	0.0	1
Minerales	1.7±0.0	0.0	4.8±0.0	0.0	1
E.L.N.	30.1±0.0	0.0	85.0±0.0	0.0	1

## 74 CASTAÑA ACUATICA CLARA

Humedad	84.8±0.0	0.0	—	—	1
Proteína cruda	0.7±0.0	0.0	4.6±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	1.3±0.0	0.0	1
Fibra cruda	0.6±0.0	0.0	3.9±0.0	0.0	1
Minerales	0.7±0.0	0.0	4.6±0.0	0.0	1
E.L.N.	12.9±0.0	0.0	84.8±0.0	0.0	1

75 CEBADA GRANO  
(*Hordeum vulgare*)

Humedad	9.9±2.88	29.18	—	—	12
Proteína cruda	8.8±2.12	24.17	9.7±2.30	23.67	12
Grasa cruda	3.2±3.26	100.70	3.5±3.48	99.25	12
Fibra cruda	8.3±6.96	83.33	9.2±7.44	81.06	12
Minerales	3.7±3.31	89.80	4.1±3.82	92.66	12
E.L.N.	65.9±9.77	14.82	73.1±11.04	15.10	12

## 76 CEMITA

Humedad	10.3±0.0	0.0	—	—	1
Proteína cruda	17.1±0.0	0.0	19.0±0.0	0.0	1
Grasa cruda	2.5±0.0	0.0	2.8±0.0	0.0	1
Fibra cruda	5.5±0.0	0.0	6.1±0.0	0.0	1
Minerales	8.7±0.0	0.0	9.7±0.0	0.0	1
E.L.N.	55.8±0.0	0.0	62.2±0.0	0.0	1

77 CENTROSEMA SEMILLAS  
(*Centrosema plumeri*)

Humedad	—	—	—	—	—
Proteína cruda	17.4±0.0	0.0	—	—	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

78 CENTROSEMA SEMILLAS  
(*Centrosema pubescens*)

Humedad	6.5±0.63	9.82	—	—	3
Proteína cruda	18.7±0.75	4.02	19.9±0.63	3.19	3
Grasa cruda	1.7±0.0	0.0	1.8±0.00	0.00	3
Fibra cruda	39.0±1.16	2.97	41.6±1.04	2.50	3
Minerales	6.6±1.48	22.42	7.0±1.63	23.16	3
E.L.N.	27.5±1.00	3.65	29.3±0.95	3.26	3

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 79 CERVEZA MALTA GERME

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.8±2.28	29.37	—	—	3
Proteína cruda	16.1±2.96	18.38	17.2±2.54	14.80	3
Grasa cruda	1.2±0.70	58.33	1.3±0.72	57.11	3
Fibra cruda	18.9±2.99	15.83	20.1±3.50	17.44	3
Minerales	5.2±0.96	18.60	5.6±0.95	17.07	3
E.L.N.	50.8±5.41	10.64	59.4±10.45	17.60	3

## 80 CERVEZA MALTA SECA

Humedad	9.1±1.35	14.87	—	—	3
Proteína cruda	10.5±2.74	26.10	14.3±7.22	50.39	3
Grasa cruda	1.4±1.07	78.24	1.5±1.22	81.10	3
Fibra cruda	4.3±4.57	106.37	4.9±4.76	96.50	3
Minerales	4.8±3.10	64.18	5.3±3.45	65.11	3
E.L.N.	62.5±15.36	24.56	68.6±15.96	23.26	3

## 81 CERVEZA CONCENTRADO OSCURO

Humedad	8.0±0.92	11.42	—	—	2
Proteína cruda	30.6±1.98	6.47	32.1±4.10	12.78	2
Grasa cruda	5.7±3.82	66.99	6.2±4.10	66.15	2
Fibra cruda	16.9±4.38	25.94	18.6±4.24	22.81	2
Minerales	3.8±0.28	7.44	4.1±0.35	8.52	2
E.L.N.	35.8±3.46	9.66	39.1±4.24	10.85	2

## 82 CERVEZA GRANO SECO 5-02-141

Humedad	9.6±1.44	14.98	—	—	7
Proteína cruda	19.1±5.72	29.91	22.5±7.43	32.99	7
Grasa cruda	4.8±2.66	55.08	5.3±2.86	53.66	7
Fibra cruda	17.0±2.42	14.25	18.7±2.56	13.66	7
Minerales	4.6±2.82	61.62	5.1±3.20	62.96	7
E.L.N.	44.6±5.18	11.63	48.3±6.19	12.57	7

83 CERVEZA LEVADURA 7-11-795  
(*Saccharomyces cerevisiae*)

Humedad	9.2±0.0	0.0	—	—	1
Proteína cruda	37.1±0.0	0.0	40.8±0.0	0.0	1
Grasa cruda	1.1±0.0	0.0	1.2±0.0	0.0	1
Fibra cruda	0.0±0.0	0.0	0.0±0.0	0.0	1
Minerales	5.6±0.0	0.0	6.2±0.0	0.0	1
E.L.N.	46.9±0.0	0.0	51.6±0.0	0.0	1

## 84 CERVEZA GRANO BAGAZO

Humedad	7.8±0.0	0.0	—	—	1
Proteína cruda	27.8±0.0	0.0	30.1±0.0	0.0	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

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E.L.N. = Extracto libre de nitrógeno.

85 CITRICOS RESIDUOS 4-13-635  
(*Citrus Spp*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.1±0.0	0.0	—	—	1
Proteína cruda	5.5±0.0	0.0	6.0±0.0	0.0	1
Grasa cruda	1.7±0.0	0.0	1.9±0.0	0.0	1
Fibra cruda	16.6±0.0	0.0	18.1±0.0	0.0	1
Minerales	6.6±0.0	0.0	7.1±0.0	0.0	1
E.L.N.	61.6±0.0	0.0	66.9±0.0	0.0	1

86 CLITORIA CASCARAS DE LAS SEMILLAS  
(*Clitoria ternatae*)

Humedad	—	—	—	—	—
Proteína cruda	6.7±0.0	0.0	—	—	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

87 CLITORIA PLANTA COMPLETA 2-13-939  
(*Clitoria ternatae*)

Humedad	—	—	—	—	—
Proteína cruda	21.2±0.0	0.0	—	—	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

88 CLITORIA SEMILLAS 5-13-453  
(*Clitoria ternatae*)

Humedad	4.3±2.02	47.42	—	—	3
Proteína cruda	28.9±7.89	27.28	23.2±12.44	53.64	6
Grasa cruda	4.2±3.70	87.41	4.4±3.73	84.82	3
Fibra cruda	31.2±18.80	60.24	32.6±19.54	59.95	3
Minerales	5.0±3.04	60.21	5.3±3.32	62.12	2
E.L.N.	38.6±7.07	18.32	40.4±6.36	15.75	2

89 CLITORIA SEMILLAS SIN CASCARA  
(*Clitoria ternatae*)

Humedad	—	—	—	—	—
Proteína cruda	42.7±0.0	0.0	—	—	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

90 COCO PASTA 5-01-572  
(*Cocos nucifera*)

Humedad	5.3±1.37	25.86	—	—	13
Proteína cruda	21.7±2.37	10.95	22.9±2.55	11.16	13
Grasa cruda	6.9±2.91	41.91	7.3±3.00	41.21	13
Fibra cruda	19.6±9.73	49.53	20.7±10.22	49.35	13
Minerales	7.0±0.88	12.56	7.4±0.90	12.21	13
E.L.N.	38.9±8.17	20.98	41.1±8.77	21.31	13

S = Desviación estándar.  
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C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

91 COLORADO 2-10-914  
(*Panicum coloratum*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	4.2±0.78	18.30	—	—	2
Proteína cruda	6.3±0.21	3.34	6.6±0.14	2.14	2
Grasa cruda	1.3±0.0	0.0	1.3±0.07	5.24	2
Fibra cruda	35.8±1.27	3.55	37.3±1.06	2.84	2
Minerales	10.3±0.07	0.68	10.8±0.07	0.65	2
E.L.N.	41.8±0.92	2.20	43.7±1.27	2.91	2

92 GOQUELILLO

Humedad	87.2±0.0	0.0	—	—	1
Proteína cruda	2.5±0.0	0.0	19.5±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	1.9±0.0	0.0	1
Fibra cruda	2.5±0.0	0.0	19.5±0.0	0.0	1
Minerales	2.2±0.0	0.0	17.2±0.0	0.0	1
E.L.N.	5.3±0.0	0.0	41.4±0.0	0.0	1

93 CORDONCILLO  
(*Piper auritum*)

Humedad	13.6±0.0	0.0	—	—	1
Proteína cruda	16.4±0.0	0.0	19.0±0.0	0.0	1
Grasa cruda	1.5±0.0	0.0	1.8±0.0	0.0	1
Fibra cruda	16.9±0.0	0.0	19.5±0.0	0.0	1
Minerales	15.0±0.0	0.0	17.4±0.0	0.0	1
E.L.N.	36.5±0.0	0.0	42.2±0.0	0.0	1

94 COYOL FRUTO  
(*Acrocomia mexicana*)

Humedad	39.2±43.20	110.07	—	—	2
Proteína cruda	2.9±1.84	63.40	4.9±0.49	10.00	2
Grasa cruda	3.3±1.63	48.55	8.6±8.77	101.95	2
Fibra cruda	26.4±23.3	87.95	40.0±9.83	24.54	2
Minerales	7.7±8.27	106.75	10.6±6.08	57.37	2
E.L.N.	20.3±11.60	57.13	35.6±6.29	17.65	2

95 CHANCLE

Humedad	89.9±0.0	0.0	—	—	1
Proteína cruda	1.3±0.0	0.0	11.4±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	2.6±0.0	0.0	1
Fibra cruda	2.4±0.0	0.0	24.0±0.0	0.0	1
Minerales	0.1±0.0	0.0	1.0±0.0	0.0	1
E.L.N.	6.0±0.0	0.0	46.2±0.0	0.0	1

96 CHAYA HOJAS  
(*Cnidioscolus chayamansa*)

Humedad	53.6±36.08	67.28	—	—	3
Proteína cruda	13.0±10.81	83.37	27.1±1.72	6.34	3
Grasa cruda	3.5±3.30	94.41	7.1±1.30	18.41	3
Fibra cruda	4.2±2.75	66.09	9.3±2.16	23.29	3
Minerales	5.3±4.25	80.25	11.2±0.35	3.13	3
E.L.N.	20.4±14.97	73.49	50.1±8.41	16.79	3

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.



97 CHICHARO PASTA 5-03-598 ( <i>Pisum spp</i> )					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	36.2±38.54	106.31	—	—	2
Proteína cruda	15.1±13.01	86.16	21.3±7.21	33.86	2
Grasa cruda	1.2±0.49	39.60	2.1±0.64	29.60	2
Fibra cruda	4.8±4.03	83.10	11.7±3.43	114.83	2
Minerales	2.8±0.07	2.48	5.5±3.53	64.28	2
E.L.N.	39.8±28.71	72.13	58.7±9.47	16.14	2

98 CHINICUTA					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	20.0±0.0	0.0	—	—	1
Proteína cruda	16.8±0.0	0.0	21.0±0.0	0.0	1
Grasa cruda	1.5±0.0	0.0	1.9±0.0	0.0	1
Fibra cruda	26.8±0.0	0.0	33.5±0.0	0.0	1
Minerales	5.7±0.0	0.0	7.1±0.0	0.0	1
E.L.N.	29.2±0.0	0.0	36.5±0.0	0.0	1

99 CHOYA ( <i>Opuntia imbricata</i> )					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	79.0±0.0	0.0	—	—	1
Proteína cruda	1.1±0.0	0.0	5.2±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	1.2±0.0	0.0	1
Fibra cruda	1.0±0.0	0.0	5.0±0.0	0.0	1
Minerales	5.8±0.0	0.0	27.6±0.0	0.0	1
E.L.N.	12.8±0.0	0.0	60.9±0.0	0.0	1

100 DALEA FILICIFORMIS					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.4±0.0	0.0	—	—	1
Proteína cruda	15.1±0.0	0.0	16.1±0.0	0.0	1
Grasa cruda	6.8±0.0	0.0	7.3±0.0	0.0	1
Fibra cruda	15.6±0.0	0.0	16.7±0.0	0.0	1
Minerales	7.3±0.0	0.0	7.8±0.0	0.0	1
E.L.N.	48.8±0.0	0.0	52.1±0.0	0.0	1

101 DESTILERIA PRODUCTOS					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	—	—	—	—	0
Proteína cruda	0.5±0.17	34.64	—	—	3
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

102 DOLLIÇOS AXILLIARIS					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.9±0.07	0.89	—	—	2
Proteína cruda	15.2±0.07	0.46	16.5±0.07	0.43	2
Grasa cruda	2.1±0.14	6.73	2.3±0.14	6.15	2
Fibra cruda	33.9±1.55	4.59	36.8±1.70	4.61	2
Minerales	8.4±0.07	0.84	9.2±0.0	0.0	2
E.L.N.	32.2±1.34	4.15	35.1±1.48	4.22	2

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

103 ALFOMBRILLA ( <i>Drimaria arenarioides</i> )					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.0±0.0	0.0	—	0.0	1
Proteína cruda	19.3±0.0	0.0	20.5±0.0	0.0	1
Grasa cruda	5.1±0.0	0.0	5.4±0.0	0.0	1
Fibra cruda	16.2±0.0	0.0	17.2±0.0	0.0	1
Minerales	18.1±0.0	0.0	19.2±0.0	0.0	1
E.L.N.	35.1±0.0	0.0	37.3±0.0	0.0	1

104 EBOL					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	3.8±0.99	26.05	—	—	2
Proteína cruda	26.4±1.41	5.36	27.4±1.77	6.44	2
Grasa cruda	0.8±0.0	0.0	0.9±0.0	0.0	1
Fibra cruda	3.9±0.0	0.0	4.1±0.0	0.0	1
Minerales	3.5±0.0	0.0	3.7±0.0	0.0	1
E.L.N.	59.8±0.0	0.0	62.6±0.0	0.0	1

105 ESCOBA SEMILLAS ( <i>Sida rhombifolia</i> )					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.4±0.0	0.0	—	—	1
Proteína cruda	8.7±0.0	0.0	9.3±0.0	0.0	1
Grasa cruda	2.2±0.0	0.0	2.3±0.0	0.0	1
Fibra cruda	13.2±0.0	0.0	14.1±0.0	0.0	1
Minerales	11.2±0.0	0.0	12.0±0.0	0.0	1
E.L.N.	58.2±0.0	0.0	62.2±0.0	0.0	1

106 ESTAFIATE ( <i>Artemisia mexicana</i> )					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	16.6±0.0	0.0	—	—	1
Proteína cruda	13.3±0.0	0.0	16.0±0.0	0.0	1
Grasa cruda	19.6±0.0	0.0	23.6±0.0	0.0	1
Fibra cruda	3.3±0.0	0.0	4.0±0.0	0.0	1
Minerales	13.3±0.0	0.0	15.9±0.0	0.0	1
E.L.N.	33.8±0.0	0.0	40.5±0.0	0.0	1

107 ESTIERCOL DE VACA					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	60.0±0.0	0.0	—	—	1
Proteína cruda	3.4±0.0	0.0	8.4±0.0	0.0	1
Grasa cruda	4.8±0.0	0.0	11.9±0.0	0.0	1
Fibra cruda	14.6±0.0	0.0	36.6±0.0	0.0	1
Minerales	9.7±0.0	0.0	24.2±0.0	0.0	1
E.L.N.	7.6±0.0	0.0	18.9±0.0	0.0	1

108 ESTRELLA 2-09-730 ( <i>Cynodon plectostachyus</i> )					
Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	12.9±18.53	144.06	—	—	22
Proteína cruda	8.6±4.19	48.96	10.0±4.40	44.11	22
Grasa cruda	1.2±0.45	39.03	1.5±0.84	57.28	22
Fibra cruda	29.5±7.75	26.24	36.6±4.71	14.00	22
Minerales	8.0±3.13	39.11	9.3±3.12	33.42	20
E.L.N.	39.9±10.02	25.12	46.0±4.53	9.85	20

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

109 FERRER 1-10-609  
(Híbrido de Bermuda, *Cynodon dactylon*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.7±2.63	39.16	—	—	111
Proteína cruda	11.0±2.84	25.78	11.8±3.06	25.93	111
Grasa cruda	1.5±0.51	32.52	1.7±0.55	32.73	23
Fibra cruda	30.6±5.04	16.49	32.5±4.95	15.24	23
Minerales	9.4±2.15	22.91	9.9±2.34	23.75	16
E.L.N.	43.7±1.93	4.42	45.8±1.79	3.90	16

110 FRIJOL SEMILLA 5-00-600  
(*Phaseolus vulgaris*)

Humedad	14.8±0.0	0.0	—	—	1
Proteína cruda	14.8±0.0	0.0	17.4±0.0	0.0	1
Grasa cruda	2.6±0.0	0.0	3.0±0.0	0.0	1
Fibra cruda	17.4±0.0	0.0	20.4±0.0	0.0	1
Minerales	23.1±0.0	0.0	27.1±0.0	0.0	1
E.L.N.	47.2±0.0	0.0	55.4±0.0	0.0	1

111 FRIJOL PAJA 1-09-749  
(*Phaseolus vulgaris*)

Humedad	7.4±0.0	0.0	—	—	1
Proteína cruda	5.9±0.0	0.0	6.4±0.0	0.0	1
Grasa cruda	0.9±0.0	0.0	1.0±0.0	0.0	1
Fibra cruda	42.6±0.0	0.0	46.0±0.0	0.0	1
Minerales	8.0±0.0	0.0	8.7±0.0	0.0	1
E.L.N.	35.1±0.0	0.0	37.9±0.0	0.0	1

112 GALLINAZA 5-05-587

Humedad	11.9±3.75	31.44	—	—	13
Proteína cruda	21.5±4.98	23.11	24.4±5.23	21.45	13
Grasa cruda	2.0±1.31	65.32	2.3±1.52	66.94	10
Fibra cruda	11.1±5.36	48.37	12.6±6.05	47.83	10
Minerales	20.0±13.63	68.08	22.6±14.98	66.32	10
E.L.N.	33.5±13.54	39.84	38.1±10.76	31.79	10

113 GARBANZO GRANO 5-01-218  
(*Cicer arietinum*)

Humedad	7.6±1.58	20.75	—	—	5
Proteína cruda	17.2±3.36	19.53	20.8±3.96	19.10	9
Grasa cruda	4.2±0.59	14.01	4.6±0.71	15.37	5
Fibra cruda	9.4±2.00	21.35	10.1±2.07	20.45	5
Minerales	4.8±1.47	30.83	5.1±1.54	29.97	5
E.L.N.	54.6±3.25	5.96	59.0±2.55	4.32	5

114 GARBANZO PAJA ENSILADA  
(*Cicer arietinum*)

Humedad	68.0±0.71	1.04	—	—	2
Proteína cruda	2.6±0.42	16.32	8.1±1.13	13.97	2
Grasa cruda	0.4±0.0	0.0	1.2±0.07	5.66	2
Fibra cruda	14.3±0.21	1.48	44.8±1.63	3.63	2
Minerales	3.3±0.07	2.11	10.4±0.49	4.74	2
E.L.N.	11.2±0.49	4.40	35.1±0.78	2.21	2

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

115 GARBANZO PAJA 1-01-217  
(*Cicer arietinum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.5±0.78	10.30	—	—	2
Proteína cruda	6.0±1.70	28.28	6.4±1.77	27.41	2
Grasa cruda	2.4±1.41	58.93	2.5±1.48	58.23	2
Fibra cruda	40.7±13.65	33.49	44.1±15.13	34.31	2
Minerales	6.6±2.62	39.34	7.1±2.76	38.57	2
E.L.N.	43.7±19.16	43.80	47.2±20.36	43.14	2

116 GIRASOL PASTA 5-10-698  
(*Helianthus spp*)

Humedad	6.4±1.67	26.0	—	—	5
Proteína cruda	28.6±4.29	14.97	30.6±4.72	15.41	5
Grasa cruda	2.6±0.89	34.38	2.8±0.89	32.16	5
Fibra cruda	22.7±6.02	26.55	24.2±6.32	26.10	5
Minerales	5.8±0.74	12.73	6.2±0.80	12.90	5
E.L.N.	33.8±3.55	10.51	36.2±3.66	10.14	4

117 GOBERNADORA 2-13-678  
(*Larrea tridentata*)

Humedad	7.7±0.0	0.0	—	—	1
Proteína cruda	13.9±0.0	0.0	15.0±0.0	0.0	1
Grasa cruda	10.2±0.0	0.0	10.9±0.0	0.0	1
Fibra cruda	10.4±0.0	0.0	11.2±0.0	0.0	1
Minerales	11.8±0.0	0.0	12.7±0.0	0.0	1
E.L.N.	46.0±0.0	0.0	51.2±0.0	0.0	1

118 GOBERNADORA TRATADA CON ALCALINOS  
PARA ELIMINACION DE LAS RESINAS 1-13-462  
(*Larrea tridentata*)

Humedad	9.4±0.0	0.0	—	—	1
Proteína cruda	11.8±0.0	0.0	13.0±0.0	0.0	1
Grasa cruda	11.0±0.0	0.0	12.1±0.0	0.0	1
Fibra cruda	20.8±0.0	0.0	23.0±0.0	0.0	1
Minerales	5.2±0.0	0.0	5.7±0.0	0.0	1
E.L.N.	41.8±0.0	0.0	46.2±0.0	0.0	1

119 GOLONDRINA

Humedad	42.6±9.90	23.24	—	—	2
Proteína cruda	9.4±0.0	0.0	16.6±2.97	17.89	2
Grasa cruda	4.1±3.82	93.13	6.7±5.51	82.32	2
Fibra cruda	5.9±5.02	84.38	11.2±10.68	94.91	2
Minerales	12.9±3.96	30.70	22.2±2.97	13.38	2
E.L.N.	25.1±7.21	28.73	43.2±5.09	11.78	2

120 GORDURA 1-17-551  
(*Melinis minutiflora*)

Humedad	6.3±1.22	19.48	—	—	6
Proteína cruda	9.7±2.65	27.36	10.3±2.85	27.58	6
Grasa cruda	1.5±0.19	12.69	1.6±0.19	11.88	6
Fibra cruda	30.8±4.02	13.04	32.9±4.08	12.42	6
Minerales	9.6±2.23	23.25	10.2±2.41	23.65	6
E.L.N.	44.0±0.55	1.24	46.6±0.69	1.49	6

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 121 GRAICILLA NATIVA

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.7±0.0	0.0	—	—	1
Proteína cruda	16.7±0.0	0.0	17.7±0.0	0.0	1
Grasa cruda	3.4±0.0	0.0	3.6±0.0	0.0	1
Fibra cruda	29.3±0.0	0.0	31.0±0.0	0.0	1
Minerales	3.7±0.0	0.0	3.9±0.0	0.0	1
E.L.N.	40.9±0.0	0.0	43.3±0.0	0.0	1

122 GRAMILLA  
(*Paspalum natatum*)

Humedad	7.6±0.0	0.0	—	—	1
Proteína cruda	7.7±0.0	0.0	8.3±0.0	0.0	1
Grasa cruda	0.6±0.0	0.0	0.6±0.0	0.0	1
Fibra cruda	26.2±0.0	0.0	28.3±0.0	0.0	1
Minerales	10.4±0.0	0.0	11.2±0.0	0.0	1
E.L.N.	45.6±0.0	0.0	49.3±0.0	0.0	1

## 123 GRAMINEA GRANOS CATHARTICUS

Humedad	47.5±14.85	31.26	—	—	2
Proteína cruda	6.2± 1.06	16.97	12.7± 5.66	44.54	2
Grasa cruda	0.9± 0.14	15.71	1.6± 0.49	30.00	2
Fibra cruda	10.0± 2.54	25.46	20.5±10.68	51.96	2
Minerales	8.6± 1.34	15.53	16.7± 2.19	13.09	2
E.L.N.	21.7±10.18	46.92	40.2± 8.06	20.05	2

124 GRAMMA  
(*Paspalum distichum*)

Humedad	8.4±5.09	60.44	—	—	5
Proteína cruda	10.7±2.69	25.14	11.7±2.41	20.68	5
Grasa cruda	1.8±0.65	35.90	2.0±0.86	42.79	5
Fibra cruda	27.7±3.09	11.18	30.2±2.72	9.01	5
Minerales	9.3±1.99	21.27	10.2±1.72	16.93	5
E.L.N.	42.8±1.79	4.20	47.0±2.66	5.65	5

## 125 GUAJES

Humedad	8.5±0.0	0.0	—	—	1
Proteína cruda	19.5±0.0	0.0	21.3±0.0	0.0	1
Grasa cruda	2.1±0.0	0.0	2.3±0.0	0.0	1
Fibra cruda	21.9±0.0	0.0	24.0±0.0	0.0	1
Minerales	5.8±0.0	0.0	6.2±0.0	0.0	1
E.L.N.	42.2±0.0	0.0	46.2±0.0	0.0	1

## 126 GUANO DE AVES MARINAS

Humedad	20.1±0.0	0.0	—	—	1
Proteína cruda	39.1±0.0	0.0	48.9±0.0	0.0	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

127 GUASIMA SEMILLAS 4-13-468  
(*Guazuma ulmifolia*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	13.8±2.90	20.93	—	—	2
Proteína cruda	8.5±1.70	19.96	9.9±2.26	22.86	2
Grasa cruda	2.2±0.14	6.43	2.5±0.07	2.77	2
Fibra cruda	30.2±1.70	5.62	35.0±0.85	2.42	2
Minerales	4.2±0.64	14.98	4.9±0.92	18.57	2
E.L.N.	46.4±4.38	9.45	53.9±6.93	12.86	2

## 128 GUAYABILLA

Humedad	36.4±0.0	0.0	—	—	1
Proteína cruda	6.5±0.0	0.0	10.2±0.0	0.0	1
Grasa cruda	10.6±0.0	0.0	16.7±0.0	0.0	1
Fibra cruda	1.0±0.0	0.0	1.6±0.0	0.0	1
Minerales	10.3±0.0	0.0	16.2±0.0	0.0	1
E.L.N.	35.1±0.0	0.0	55.2±0.0	0.0	1

129 GUINEA 1-13-427  
(*Panicum maximum*)

Humedad	18.1±29.83	164.64	—	—	10
Proteína cruda	6.0± 2.15	35.79	8.0±2.54	31.64	10
Grasa cruda	1.1± 0.45	41.59	1.5±0.63	42.67	10
Fibra cruda	26.8± 9.69	36.13	33.0±2.15	6.53	10
Minerales	8.5± 3.33	39.23	10.2±1.23	12.01	10
E.L.N.	39.0±15.44	39.57	46.8±4.11	8.78	10

## 130 HALISNACEA

Humedad	82.2±0.0	0.0	—	—	1
Proteína cruda	4.9±0.0	0.0	27.5±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	1.7±0.0	0.0	1
Fibra cruda	2.9±0.0	0.0	16.3±0.0	0.0	1
Minerales	3.0±0.0	0.0	16.8±0.0	0.0	1
E.L.N.	6.7±0.0	0.0	37.6±0.0	0.0	1

131 HENEQUEN PULPA 1-09-631  
(*Agave fourcroydes*)

Humedad	10.6±0.0	0.0	—	—	1
Proteína cruda	5.1±0.0	0.0	5.7±0.0	0.0	1
Grasa cruda	2.0±0.0	0.0	2.2±0.0	0.0	1
Fibra cruda	19.7±0.0	0.0	22.0±0.0	0.0	1
Minerales	11.4±0.0	0.0	12.7±0.0	0.0	1
E.L.N.	51.1±0.0	0.0	57.1±0.0	0.0	1

132 HIERBA DEL ANGEL  
(*Desmodium plateada*)

Humedad	69.5±0.0	0.0	—	—	1
Proteína cruda	5.1±0.0	0.0	16.7±0.0	0.0	1
Grasa cruda	0.8±0.0	0.0	2.6±0.0	0.0	1
Fibra cruda	8.1±0.0	0.0	26.5±0.0	0.0	1
Minerales	5.4±0.0	0.0	17.7±0.0	0.0	1
E.L.N.	10.9±0.0	0.0	35.7±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 133 HIERBA DE PUEBLA

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.2 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	19.4 $\pm$ 0.0	0.0	20.7 $\pm$ 0.0	0.0	1
Grasa cruda	6.9 $\pm$ 0.0	0.0	7.3 $\pm$ 0.0	0.0	1
Fibra cruda	14.7 $\pm$ 0.0	0.0	15.7 $\pm$ 0.0	0.0	1
Minerales	8.8 $\pm$ 0.0	0.0	9.4 $\pm$ 0.0	0.0	1
E.L.N.	43.8 $\pm$ 0.0	0.0	46.7 $\pm$ 0.0	0.0	1

134 HIGUERILLA PASTA  
(*Ricinus communis*)

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.0 $\pm$ 0.99	12.37	—	—	2
Proteína cruda	33.0 $\pm$ 1.06	3.21	35.9 $\pm$ 1.55	4.33	2
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

135 HUAXIN SEMILLAS  
(*Leucaena glauca*)

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	10.5 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	16.4 $\pm$ 0.0	0.0	18.3 $\pm$ 0.0	0.0	1
Grasa cruda	5.3 $\pm$ 0.0	0.0	5.9 $\pm$ 0.0	0.0	1
Fibra cruda	15.6 $\pm$ 0.0	0.0	17.3 $\pm$ 0.0	0.0	1
Minerales	5.6 $\pm$ 0.0	0.0	6.2 $\pm$ 0.0	0.0	1
E.L.N.	47.2 $\pm$ 0.0	0.0	52.7 $\pm$ 0.0	0.0	1

## 136 HUCAPANUM

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	24.5 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	5.9 $\pm$ 0.0	0.0	7.9 $\pm$ 0.0	0.0	1
Grasa cruda	13.9 $\pm$ 0.0	0.0	18.4 $\pm$ 0.0	0.0	1
Fibra cruda	1.4 $\pm$ 0.0	0.0	1.8 $\pm$ 0.0	0.0	1
Minerales	19.6 $\pm$ 0.0	0.0	26.0 $\pm$ 0.0	0.0	1
E.L.N.	65.3 $\pm$ 0.0	0.0	86.0 $\pm$ 0.0	0.0	1

137 HUIZACHE  
(*Acacia farnesiana*)

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	34.8 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	16.7 $\pm$ 0.0	0.0	25.6 $\pm$ 0.0	0.0	1
Grasa cruda	2.6 $\pm$ 0.0	0.0	4.0 $\pm$ 0.0	0.0	1
Fibra cruda	13.9 $\pm$ 0.0	0.0	21.3 $\pm$ 0.0	0.0	1
Minerales	3.3 $\pm$ 0.0	0.0	5.1 $\pm$ 0.0	0.0	1
E.L.N.	35.3 $\pm$ 0.0	0.0	54.4 $\pm$ 0.0	0.0	1

## 138 GALLETA DESPERDICIOS

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	10.0 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	8.1 $\pm$ 0.0	0.0	9.0 $\pm$ 0.0	0.0	1
Grasa cruda	6.2 $\pm$ 0.0	0.0	6.9 $\pm$ 0.0	0.0	1
Fibra cruda	1.1 $\pm$ 0.0	0.0	1.2 $\pm$ 0.0	0.0	1
Minerales	4.2 $\pm$ 0.0	0.0	4.7 $\pm$ 0.0	0.0	1
E.L.N.	70.4 $\pm$ 0.0	0.0	78.2 $\pm$ 0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 139 JAVA PLANTA COMPLETA

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	4.7 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	26.5 $\pm$ 0.0	0.0	27.8 $\pm$ 0.0	0.0	1
Grasa cruda	3.0 $\pm$ 0.0	0.0	3.1 $\pm$ 0.0	0.0	1
Fibra cruda	11.6 $\pm$ 0.0	0.0	12.2 $\pm$ 0.0	0.0	1
Minerales	1.6 $\pm$ 0.0	0.0	1.7 $\pm$ 0.0	0.0	1
E.L.N.	47.3 $\pm$ 0.0	0.0	49.6 $\pm$ 0.0	0.0	1

## 140 JAVA VAINAS

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.6 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	7.6 $\pm$ 0.0	0.0	8.3 $\pm$ 0.0	0.0	1
Grasa cruda	1.4 $\pm$ 0.0	0.0	1.6 $\pm$ 0.0	0.0	1
Fibra cruda	35.6 $\pm$ 0.0	0.0	38.9 $\pm$ 0.0	0.0	1
Minerales	33.8 $\pm$ 0.0	0.0	37.0 $\pm$ 0.0	0.0	1
E.L.N.	11.4 $\pm$ 0.0	0.0	12.3 $\pm$ 0.0	0.0	1

141 JOJOBA PASTA  
(*Simmondsia chinensis*)

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.7 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	18.9 $\pm$ 0.0	0.0	20.0 $\pm$ 0.0	0.0	1
Grasa cruda	30.4 $\pm$ 0.0	0.0	32.2 $\pm$ 0.0	0.0	1
Fibra cruda	11.9 $\pm$ 0.0	0.0	12.6 $\pm$ 0.0	0.0	1
Minerales	2.4 $\pm$ 0.0	0.0	2.5 $\pm$ 0.0	0.0	1
E.L.N.	30.8 $\pm$ 0.0	0.0	32.6 $\pm$ 0.0	0.0	1

## 142 KAZANGULO

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	76.6 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	2.9 $\pm$ 0.0	0.0	12.4 $\pm$ 0.0	0.0	1
Grasa cruda	0.5 $\pm$ 0.0	0.0	2.1 $\pm$ 0.0	0.0	1
Fibra cruda	6.2 $\pm$ 0.0	0.0	26.5 $\pm$ 0.0	0.0	1
Minerales	3.1 $\pm$ 0.0	0.0	13.2 $\pm$ 0.0	0.0	1
E.L.N.	10.6 $\pm$ 0.0	0.0	45.3 $\pm$ 0.0	0.0	1

143 KIKUYO  
(*Perisetum clandestinum*)

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.7 $\pm$ 2.58	38.37	—	—	5
Proteína cruda	14.4 $\pm$ 1.91	13.29	15.4 $\pm$ 2.51	16.25	5
Grasa cruda	2.3 $\pm$ 1.07	46.98	2.5 $\pm$ 1.26	50.93	4
Fibra cruda	20.6 $\pm$ 3.91	18.97	22.1 $\pm$ 3.66	16.59	4
Minerales	13.2 $\pm$ 2.75	20.91	14.2 $\pm$ 3.00	21.20	4
E.L.N.	42.1 $\pm$ 2.58	6.12	45.3 $\pm$ 2.07	4.57	4

144 KUDZU  
(*Pueraria javanica*)

Determinación	Promedio $\pm$ S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.6 $\pm$ 0.0	0.0	—	—	1
Proteína cruda	15.7 $\pm$ 0.0	0.0	16.8 $\pm$ 0.0	0.0	1
Grasa cruda	1.5 $\pm$ 0.0	0.0	2.6 $\pm$ 0.0	0.0	1
Fibra cruda	24.3 $\pm$ 0.0	0.0	26.0 $\pm$ 0.0	0.0	1
Minerales	9.3 $\pm$ 0.0	0.0	9.9 $\pm$ 0.0	0.0	1
E.L.N.	42.3 $\pm$ 0.0	0.0	45.3 $\pm$ 0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 145 LAMPOTE

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	78.3 ± 7.78	9.93	—	—	2
Proteína cruda	2.3 ± 2.26	98.38	13.3 ± 15.20	113.88	2
Grasa cruda	0.2 ± 0.07	28.28	1.2 ± 0.78	62.22	2
Fibra cruda	6.4 ± 6.15	95.38	20.5 ± 27.15	132.45	2
Minerales	3.3 ± 0.42	12.86	16.6 ± 7.92	47.71	2
E.L.N.	9.3 ± 4.31	46.13	42.2 ± 4.74	11.21	2

## 146 LAMPOTILLO

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	62.2 ± 0.0	0.0	—	—	1
Proteína cruda	5.6 ± 0.0	0.0	14.8 ± 0.0	0.0	1
Grasa cruda	1.1 ± 0.0	0.0	2.9 ± 0.0	0.0	1
Fibra cruda	5.6 ± 0.0	0.0	14.8 ± 0.0	0.0	1
Minerales	8.4 ± 0.0	0.0	22.2 ± 0.0	0.0	1
E.L.N.	17.0 ± 0.0	0.0	45.0 ± 0.0	0.0	1

147 LECHE SUERO  
(*Bos spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	12.5 ± 0.0	0.0	—	—	1
Proteína cruda	18.2 ± 0.0	0.0	20.8 ± 0.0	0.0	1
Grasa cruda	1.5 ± 0.0	0.0	1.7 ± 0.0	0.0	1
Fibra cruda	0.0 ± 0.0	0.0	0.0 ± 0.0	0.0	1
Minerales	9.8 ± 0.0	0.0	11.2 ± 0.0	0.0	1
E.L.N.	51.8 ± 0.0	0.0	59.1 ± 0.0	0.0	1

148 LECHE EN POLVO DESENGRASADA  
(*Bos spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.7 ± 0.0	0.0	—	—	1
Proteína cruda	27.9 ± 0.0	0.0	30.5 ± 0.0	0.0	1
Grasa cruda	0.2 ± 0.0	0.0	0.2 ± 0.0	0.0	1
Fibra cruda	0.0 ± 0.0	0.0	0.0 ± 0.0	0.0	1
Minerales	6.8 ± 0.0	0.0	7.4 ± 0.0	0.0	1
E.L.N.	36.4 ± 0.0	0.0	39.9 ± 0.0	0.0	1

149 LECHUGA  
(*Lactuca sativa*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	35.0 ± 0.0	0.0	—	—	1
Proteína cruda	1.2 ± 0.0	0.0	1.8 ± 0.0	0.0	1
Grasa cruda	0.2 ± 0.0	0.0	0.3 ± 0.0	0.0	1
Fibra cruda	0.6 ± 0.0	0.0	0.9 ± 0.0	0.0	1
Minerales	0.6 ± 0.0	0.0	0.9 ± 0.0	0.0	1
E.L.N.	62.4 ± 0.0	0.0	95.3 ± 0.0	0.0	1

150 LENTEJA PAJA  
(*Lens spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	9.3 ± 0.0	0.0	—	—	1
Proteína cruda	8.7 ± 0.0	0.0	9.6 ± 0.0	0.0	1
Grasa cruda	2.4 ± 0.0	0.0	2.6 ± 0.0	0.0	1
Fibra cruda	20.1 ± 0.0	0.0	22.1 ± 0.0	0.0	1
Minerales	8.7 ± 0.0	0.0	9.6 ± 0.0	0.0	1
E.L.N.	50.8 ± 0.0	0.0	56.0 ± 0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 151 LENTEJILLA

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	61.9 ± 0.0	0.0	—	—	1
Proteína cruda	6.7 ± 0.0	0.0	17.6 ± 0.0	0.0	1
Grasa cruda	0.7 ± 0.0	0.0	1.8 ± 0.0	0.0	1
Fibra cruda	11.1 ± 0.0	0.0	29.1 ± 0.0	0.0	1
Minerales	2.8 ± 0.0	0.0	7.3 ± 0.0	0.0	1
E.L.N.	16.8 ± 0.0	0.0	44.1 ± 0.0	0.0	1

## 152 LEUCAENA RANCILLA NATIVA

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.70 ± 0.0	0.0	—	0.0	1
Proteína cruda	16.7 ± 0.0	0.0	17.7 ± 0.0	0.0	1
Grasa cruda	3.4 ± 0.0	0.0	3.6 ± 0.0	0.0	1
Fibra cruda	29.3 ± 0.0	0.0	31.1 ± 0.0	0.0	1
Minerales	3.8 ± 0.0	0.0	4.0 ± 0.0	0.0	1
E.L.N.	41.0 ± 0.0	0.0	43.5 ± 0.0	0.0	1

## 153 LIEBRERO

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	15.2 ± 0.0	0.0	—	—	1
Proteína cruda	7.9 ± 0.0	0.0	9.3 ± 0.0	0.0	1
Grasa cruda	1.5 ± 0.0	0.0	1.7 ± 0.0	0.0	1
Fibra cruda	26.3 ± 0.0	0.0	26.9 ± 0.0	0.0	1
Minerales	12.0 ± 0.0	0.0	14.1 ± 0.0	0.0	1
E.L.N.	37.1 ± 0.0	0.0	43.7 ± 0.0	0.0	1

154 LIMON BAGAZO  
(*Citrus limón*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	74.9 ± 0.0	0.0	—	—	1
Proteína cruda	2.2 ± 0.0	0.0	8.8 ± 0.0	0.0	1
Grasa cruda	0.8 ± 0.0	0.0	3.2 ± 0.0	0.0	1
Fibra cruda	4.8 ± 0.0	0.0	19.1 ± 0.0	0.0	1
Minerales	1.4 ± 0.0	0.0	5.6 ± 0.0	0.0	1
E.L.N.	15.9 ± 0.0	0.0	63.3 ± 0.0	0.0	1

155 LIMONCILLO PARTE AEREA  
(*Exogonium purga*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	66.1 ± 0.0	0.0	—	—	1
Proteína cruda	5.5 ± 0.0	0.0	16.2 ± 0.0	0.0	1
Grasa cruda	0.9 ± 0.0	0.0	2.6 ± 0.0	0.0	1
Fibra cruda	10.7 ± 0.0	0.0	31.7 ± 0.0	0.0	1
Minerales	2.1 ± 0.0	0.0	6.2 ± 0.0	0.0	1
E.L.N.	14.6 ± 0.0	0.0	43.0 ± 0.0	0.0	1

156 LINAZA PASTA  
(*Linum usitatissimum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.6 ± 2.13	37.78	—	—	6
Proteína cruda	28.3 ± 7.42	26.24	30.0 ± 8.02	26.77	6
Grasa cruda	4.5 ± 2.38	53.36	4.7 ± 2.57	54.33	5
Fibra cruda	14.9 ± 10.44	69.95	15.8 ± 11.16	70.66	5
Minerales	6.2 ± 0.88	14.20	6.6 ± 0.82	12.38	5
E.L.N.	41.3 ± 0.77	16.40	43.6 ± 6.65	15.24	5

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

157 LIRIO ACUATICO COMPLETO 1-13-460  
(*Eichornia crassipes*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	47.9 ± 37.41	78.17	—	—	37
Proteína cruda	5.2 ± 4.97	95.17	10.4 ± 5.06	48.42	37
Grasa cruda	0.7 ± 1.16	162.28	1.8 ± 4.73	261.23	37
Fibra cruda	8.3 ± 6.39	76.62	16.4 ± 3.85	23.55	37
Minerales	15.1 ± 11.94	79.04	29.4 ± 12.13	41.17	37
E.L.N.	23.5 ± 21.33	90.57	41.5 ± 11.80	28.47	37

158 LIRIO ACUATICO BULBO Y HOJAS  
(*Eichornia crassipes*)

Humedad	69.2 ± 27.24	39.38	—	—	17
Proteína cruda	3.5 ± 2.14	60.22	14.1 ± 5.36	58.04	17
Grasa cruda	0.3 ± 0.21	77.29	1.0 ± 0.31	29.42	17
Fibra cruda	6.4 ± 6.53	101.92	20.0 ± 9.76	43.82	17
Minerales	5.6 ± 4.66	82.35	19.6 ± 4.78	24.34	17
E.L.N.	14.9 ± 15.09	101.29	44.3 ± 11.31	25.55	17

159 LIRIO ACUATICO RAIZ  
(*Eichornia crassipes*)

Humedad	47.3 ± 27.95	59.09	—	—	16
Proteína cruda	4.1 ± 2.09	50.80	8.4 ± 2.91	34.58	16
Grasa cruda	0.2 ± 0.15	71.85	0.4 ± 0.22	51.31	16
Fibra cruda	6.6 ± 3.57	54.37	12.9 ± 4.22	32.66	16
Minerales	26.6 ± 18.21	68.37	45.9 ± 18.44	40.16	16
E.L.N.	15.1 ± 9.55	63.12	32.4 ± 16.08	50.07	16

160 LITERAHIA

Humedad	42.3 ± 0.0	0.0	—	—	1
Proteína cruda	11.6 ± 0.0	0.0	20.1 ± 0.0	0.0	1
Grasa cruda	0.9 ± 0.0	0.0	1.3 ± 0.0	0.0	1
Fibra cruda	13.5 ± 0.0	0.0	23.4 ± 0.0	0.0	1
Minerales	12.90 ± 0.0	0.0	22.4 ± 0.0	0.0	1
E.L.N.	18.8 ± 0.0	0.0	32.6 ± 0.0	0.0	1

161 LUPINOS CON VAINA  
(*Lupinus spp*)

Humedad	61.0 ± 30.76	50.38	—	—	2
Proteína cruda	6.3 ± 3.82	60.61	17.8 ± 4.31	24.16	2
Grasa cruda	0.7 ± 0.64	84.85	1.8 ± 0.21	11.47	2
Fibra cruda	15.3 ± 13.50	87.98	37.3 ± 5.16	13.82	2
Minerales	2.5 ± 1.91	74.87	6.7 ± 0.42	6.33	2
E.L.N.	14.0 ± 10.89	77.78	36.1 ± 0.64	1.76	2

162 MAGUEY ENSILADO  
(*Agave atrovirensis*)

Humedad	83.7 ± 3.78	4.51	—	—	35
Proteína cruda	1.0 ± 0.27	25.75	6.6 ± 1.41	21.38	35
Grasa cruda	0.4 ± 0.22	48.76	2.9 ± 1.50	51.09	35
Fibra cruda	4.3 ± 0.93	21.75	26.6 ± 4.80	18.07	35
Minerales	2.4 ± 0.54	21.92	15.3 ± 2.28	14.93	35
E.L.N.	8.1 ± 2.77	34.40	48.6 ± 6.45	15.26	35

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

163 MAGUEY PENCAS  
(*Agave atrovirensis*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	72.8 ± 8.81	12.10	—	—	3
Proteína cruda	1.6 ± 1.00	61.07	4.7 ± 1.76	57.22	3
Grasa cruda	0.5 ± 0.25	47.19	2.0 ± 0.56	27.84	3
Fibra cruda	6.8 ± 1.66	24.48	25.7 ± 4.56	17.73	3
Minerales	3.4 ± 0.94	28.07	12.6 ± 0.87	6.92	3
E.L.N.	15.8 ± 5.98	37.83	56.0 ± 6.95	12.41	3

164 MAIZ ENSILADO  
(*Zea mays*)

Humedad	67.6 ± 11.46	16.96	—	—	21
Proteína cruda	2.0 ± 0.55	27.93	6.3 ± 3.00	47.30	21
Grasa cruda	0.6 ± 0.34	51.67	2.1 ± 1.05	50.19	21
Fibra cruda	9.5 ± 3.93	41.50	29.3 ± 5.64	19.23	21
Minerales	3.1 ± 1.36	43.22	9.9 ± 3.07	31.03	21
E.L.N.	17.1 ± 7.62	44.48	51.4 ± 7.97	15.51	21

165 MAIZ GLUTEN  
(*Zea mays*)

Humedad	8.1 ± 4.03	49.71	—	—	3
Proteína cruda	27.8 ± 8.64	31.12	30.3 ± 9.39	31.01	3
Grasa cruda	4.0 ± 2.62	65.53	4.5 ± 3.07	67.64	3
Fibra cruda	5.9 ± 2.04	34.61	6.5 ± 2.45	37.78	3
Minerales	8.5 ± 5.05	59.69	9.1 ± 5.12	56.28	3
E.L.N.	45.5 ± 8.12	17.85	49.4 ± 7.38	14.94	3

166 MAIZ AZTECA

Humedad	4.0 ± 0.0	0.0	—	—	1
Proteína cruda	18.8 ± 0.0	0.0	19.6 ± 0.0	0.0	1
Grasa cruda	2.3 ± 0.0	0.0	2.4 ± 0.0	0.0	1
Fibra cruda	7.7 ± 0.0	0.0	8.0 ± 0.0	0.0	1
Minerales	5.5 ± 0.0	0.0	5.7 ± 0.0	0.0	1
E.L.N.	61.4 ± 0.0	0.0	65.9 ± 0.0	0.0	1

167 MAIZ CRIOLLO 4-10-801

Humedad	9.1 ± 0.0	0.0	—	—	1
Proteína cruda	8.5 ± 0.0	0.0	9.3 ± 0.0	0.0	1
Grasa cruda	4.5 ± 0.0	0.0	4.9 ± 0.0	0.0	1
Fibra cruda	2.6 ± 0.0	0.0	2.9 ± 0.0	0.0	1
Minerales	1.3 ± 0.0	0.0	1.4 ± 0.0	0.0	1
E.L.N.	73.9 ± 0.0	0.0	81.3 ± 0.0	0.0	1

168 MAIZ SUBPRODUCTOS  
(*Zea mays*)

Humedad	60.1 ± 0.0	0.0	—	—	1
Proteína cruda	13.1 ± 0.0	0.0	32.8 ± 0.0	0.0	1
Grasa cruda	1.5 ± 0.0	0.0	3.7 ± 0.0	0.0	1
Fibra cruda	2.2 ± 0.0	0.0	5.5 ± 0.0	0.0	1
Minerales	1.1 ± 0.0	0.0	2.7 ± 0.0	0.0	1
E.L.N.	21.9 ± 0.0	0.0	54.9 ± 0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

169 MAIZ AMARILLO GRANO 4-02-992  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	10.2 ± 2.13	20.94	—	—	5
Proteína cruda	8.2 ± 1.09	13.17	9.5 ± 1.16	12.21	8
Grasa cruda	4.3 ± 0.76	17.58	4.8 ± 0.77	16.00	5
Fibra cruda	2.1 ± 0.59	28.43	2.3 ± 0.68	29.81	5
Minerales	1.5 ± 0.46	30.91	1.7 ± 0.48	29.08	5
E.L.N.	73.6 ± 0.85	1.16	81.4 ± 1.52	1.87	5

170 MAIZ HENO 2-02-804  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	8.8 ± 0.0	0.0	—	0.0	1
Proteína cruda	4.7 ± 0.0	0.0	5.1 ± 0.0	0.0	1
Grasa cruda	1.9 ± 0.0	0.0	2.1 ± 0.0	0.0	1
Fibra cruda	32.1 ± 0.0	0.0	35.2 ± 0.0	0.0	1
Minerales	6.5 ± 0.0	0.0	7.1 ± 0.0	0.0	1
E.L.N.	44.8 ± 0.0	0.0	49.1 ± 0.0	0.0	1

171 MAIZ OLOTE 1-02-783  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	11.5 ± 5.63	49.03	—	—	5
Proteína cruda	3.5 ± 1.42	41.00	3.9 ± 1.64	41.77	5
Grasa cruda	1.0 ± 0.64	65.50	1.1 ± 0.75	68.33	5
Fibra cruda	29.7 ± 5.20	17.51	33.5 ± 5.23	15.61	5
Minerales	3.8 ± 3.38	88.09	4.4 ± 4.08	93.08	5
E.L.N.	52.4 ± 4.05	7.72	47.3 ± 25.59	54.06	5

172 MAIZ SALVADO 4-02-841  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	9.5 ± 2.21	23.14	—	—	7
Proteína cruda	13.7 ± 9.10	66.12	15.2 ± 10.04	66.11	7
Grasa cruda	4.4 ± 4.01	91.56	4.8 ± 4.52	93.12	7
Fibra cruda	9.5 ± 4.09	43.23	10.4 ± 4.44	42.61	6
Minerales	6.6 ± 2.58	39.15	7.2 ± 2.78	38.38	6
E.L.N.	55.1 ± 8.35	15.15	60.9 ± 9.47	15.54	6

173 MAIZ PLANTA COMPLETA 2-02-804  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	43.8 ± 45.40	103.64	—	—	2
Proteína cruda	6.7 ± 2.44	36.68	7.7 ± 4.03	52.01	2
Grasa cruda	2.3 ± 2.90	123.37	3.2 ± 2.55	79.55	2
Fibra cruda	4.3 ± 1.91	43.89	13.6 ± 14.42	106.01	2
Minerales	1.4 ± 0.14	10.10	3.6 ± 2.76	75.55	2
E.L.N.	43.6 ± 39.74	91.14	72.7 ± 11.95	16.43	2

174 MAIZ OPACO 2 BLANCO 4-11-445  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	17.3 ± 7.92	45.78	—	—	2
Proteína cruda	7.8 ± 0.49	6.30	9.5 ± 0.28	2.98	2
Grasa cruda	3.3 ± 0.00	0.00	3.4 ± 0.0	0.00	1
Fibra cruda	1.6 ± 0.00	0.00	1.8 ± 0.0	0.00	1
Minerales	1.6 ± 0.00	0.00	1.8 ± 0.0	0.00	1
E.L.N.	73.6 ± 0.00	0.00	83.8 ± 0.0	0.00	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

175 MAIZ TAMO 4-09-589  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	8.7 ± 1.40	16.21	—	—	6
Proteína cruda	9.2 ± 0.59	6.37	10.0 ± 0.72	7.18	6
Grasa cruda	2.9 ± 0.45	15.42	3.2 ± 0.52	16.26	6
Fibra cruda	8.9 ± 2.26	25.24	9.8 ± 2.34	23.92	6
Minerales	6.3 ± 3.35	52.83	6.9 ± 3.65	52.53	6
E.L.N.	63.6 ± 4.68	7.35	69.6 ± 5.39	7.74	6

176 MAIZ MAZORGA COMPLETA 4-02-849  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	14.3 ± 6.63	46.40	—	—	5
Proteína cruda	7.5 ± 0.52	6.87	8.8 ± 0.99	11.21	5
Grasa cruda	2.8 ± 1.36	49.08	3.2 ± 1.52	47.81	5
Fibra cruda	9.3 ± 3.08	33.11	11.0 ± 4.16	37.72	5
Minerales	1.5 ± 0.40	25.81	1.8 ± 0.40	22.26	5
E.L.N.	64.2 ± 7.97	12.42	62.6 ± 31.29	50.02	5

177 MAIZ RASTROJO 2-02-806  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	12.8 ± 11.52	89.70	—	—	7
Proteína cruda	3.6 ± 1.60	44.66	4.4 ± 1.72	38.60	7
Grasa cruda	1.0 ± 0.29	28.15	1.2 ± 0.23	19.74	7
Fibra cruda	25.9 ± 11.15	42.97	29.9 ± 11.86	39.71	7
Minerales	8.0 ± 2.45	30.58	9.1 ± 2.23	24.45	7
E.L.N.	47.4 ± 12.88	27.17	54.4 ± 12.99	23.88	7

178 MAIZ ALMIDON 4-02-889  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	12.6 ± 0.0	0.00	—	—	1
Proteína cruda	0.8 ± 0.0	0.00	0.9 ± 0.0	0.00	1
Grasa cruda	0.2 ± 0.0	0.00	0.2 ± 0.0	0.00	1
Fibra cruda	0.2 ± 0.0	0.00	0.2 ± 0.0	0.00	1
Minerales	2.0 ± 0.0	0.00	2.2 ± 0.0	0.00	1
E.L.N.	84.1 ± 0.0	0.00	96.2 ± 0.0	0.00	1

179 MAIZ OPACO 2 AMARILLO  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	20.4 ± 0.0	0.00	—	—	1
Proteína cruda	6.0 ± 0.0	0.00	7.5 ± 0.0	0.00	1
Grasa cruda	3.5 ± 0.0	0.00	4.4 ± 0.0	0.00	1
Fibra cruda	0.8 ± 0.0	0.00	1.1 ± 0.0	0.00	1
Minerales	1.3 ± 0.0	0.00	1.6 ± 0.0	0.00	1
E.L.N.	68.0 ± 0.0	0.00	85.4 ± 0.0	0.00	1

180 MAIZ BLANCO GRANO 4-10-422  
(Zea mays)

Determinación	Promedio ± S		Base seca	C.V.	N.
	Base húmeda	C.V.			
Humedad	10.3 ± 2.64	25.47	—	—	31
Proteína cruda	7.8 ± 1.67	21.53	9.3 ± 1.26	13.59	39
Grasa cruda	4.1 ± 0.98	23.70	4.6 ± 1.07	23.15	30
Fibra cruda	2.4 ± 2.56	106.08	2.7 ± 2.80	101.84	30
Minerales	1.6 ± 0.54	33.30	1.8 ± 0.58	32.60	30
E.L.N.	73.1 ± 3.74	5.11	81.5 ± 3.72	4.56	30

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

181 MALANGO HOJAS  
(*Xanthosoma spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	87.1±0.0	0.0	—	—	1
Proteína cruda	1.9±0.0	0.0	14.7±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	2.4±0.0	0.0	1
Fibra cruda	2.5±0.0	0.0	19.4±0.0	0.0	1
Minerales	2.3±0.0	0.0	17.8±0.0	0.0	1
E.L.N.	5.9±0.0	0.0	45.7±0.0	0.0	1

182 MALANGO FLORES  
(*Xanthosoma spp*)

Humedad	93.4±0.0	0.0	—	—	1
Proteína cruda	1.0±0.0	0.0	15.1±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	4.5±0.0	0.0	1
Fibra cruda	1.5±0.0	0.0	22.7±0.0	0.0	1
Minerales	1.0±0.0	0.0	15.1±0.0	0.0	1
E.L.N.	2.8±0.0	0.0	42.3±0.0	0.0	1

183 MALANGO TUBERCULO  
(*Xanthosoma spp*)

Humedad	77.6±0.0	0.0	—	—	1
Proteína cruda	1.6±0.0	0.0	7.1±0.0	0.0	1
Grasa cruda	0.1±0.0	0.0	0.4±0.0	0.0	1
Fibra cruda	1.2±0.0	0.0	5.3±0.0	0.0	1
Minerales	1.3±0.0	0.0	5.8±0.0	0.0	1
E.L.N.	18.1±0.0	0.0	80.8±0.0	0.0	1

184 MANOJO DE MAIZ

Humedad	10.7±0.0	0.0	—	—	1
Proteína cruda	8.9±0.0	0.0	9.9±0.0	0.0	1
Grasa cruda	1.9±0.0	0.0	2.1±0.0	0.0	1
Fibra cruda	24.5±0.0	0.0	27.4±0.0	0.0	1
Minerales	8.1±0.0	0.0	9.1±0.0	0.0	1
E.L.N.	45.9±0.0	0.0	51.4±0.0	0.0	1

185 MANZANA BAGAJO  
(*Malus sylvestris*)

Humedad	38.8±0.0	0.0	—	—	1
Proteína cruda	3.7±0.0	0.0	6.1±0.0	0.0	1
Grasa cruda	5.3±0.0	0.0	7.2±0.0	0.0	1
Fibra cruda	11.6±0.0	0.0	18.0±0.0	0.0	1
Minerales	1.9±0.0	0.0	3.4±0.0	0.0	1
E.L.N.	38.7±0.0	0.0	65.3±0.0	0.0	1

186 MANZANA PASTA  
(*Malus sylvestris*)

Humedad	81.7±0.0	0.0	—	—	1
Proteína cruda	0.5±0.0	0.0	3.0±0.0	0.0	1
Grasa cruda	0.9±0.0	0.0	5.0±0.0	0.0	1
Fibra cruda	2.0±0.0	0.0	11.7±0.0	0.0	1
Minerales	0.5±0.0	0.0	3.0±0.0	0.0	1
E.L.N.	14.4±0.0	0.0	77.3±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

187 MARRACHAO VERDE

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	15.8±0.0	0.0	—	—	1
Proteína cruda	4.8±0.0	0.0	5.7±0.0	0.0	1
Grasa cruda	1.4±0.0	0.0	1.7±0.0	0.0	1
Fibra cruda	39.5±0.0	0.0	46.9±0.0	0.0	1
Minerales	3.8±0.0	0.0	4.5±0.0	0.0	1
E.L.N.	34.7±0.0	0.0	42.4±0.0	0.0	1

188 MARRACHAO MADURO

Humedad	6.7±0.0	0.0	—	—	1
Proteína cruda	4.3±0.0	0.0	4.6±0.0	0.0	1
Grasa cruda	1.7±0.0	0.0	1.8±0.0	0.0	1
Fibra cruda	38.8±0.0	0.0	41.5±0.0	0.0	1
Minerales	3.1±0.0	0.0	3.3±0.0	0.0	1
E.L.N.	46.3±0.0	0.0	49.6±0.0	0.0	1

189 MERKERON 2-10-574  
(*Pennisetum purpureum Schumad var. Merkeri*)

Humedad	7.8±0.42	5.44	—	—	2
Proteína cruda	7.7±1.41	18.37	8.3±1.63	19.48	2
Grasa cruda	—	—	—	—	—
Fibra cruda	24.1±0.07	0.29	26.1±0.21	0.81	2
Minerales	—	—	—	—	0
E.L.N.	—	—	—	—	0

190 MERKERON ENSILADO  
(*Pennisetum purpureum Schumad var. Merkeri*)

Humedad	39.0±39.08	100.28	—	—	4
Proteína cruda	4.6±3.38	72.60	7.9±3.45	43.48	4
Grasa cruda	1.3±0.78	58.90	2.3±0.42	18.43	4
Fibra cruda	20.2±14.51	71.83	31.32±3.72	11.87	4
Minerales	7.4±3.55	48.00	14.8±10.47	70.60	4
E.L.N.	27.3±18.99	69.51	43.3±5.23	12.08	4

191 MEZQUITE VAINAS 1-08-579  
(*Prosopis pubescens*)

Humedad	11.1±1.98	17.84	—	—	3
Proteína cruda	12.0±1.53	12.79	13.5±1.45	10.74	3
Grasa cruda	3.1±1.66	54.21	3.4±1.88	54.67	3
Fibra cruda	19.6±0.85	4.35	21.6±1.69	7.85	3
Minerales	4.8±0.66	13.97	5.4±0.83	15.52	3
E.L.N.	49.5±2.38	4.80	55.7±1.00	1.79	3

192 MIJO GRANO  
(*Panicum miliaceum*)

Humedad	8.5±1.70	19.96	—	—	2
Proteína cruda	10.3±2.12	20.59	11.2±2.12	18.94	2
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

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C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.



193 MILO GRANO 4-11-594  
(*Sorghum spp*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	13.5±2.48	18.34	—	—	3
Proteína cruda	9.1±0.75	8.30	10.4±0.55	5.28	3
Grasa cruda	4.7±0.28	6.02	5.5±0.28	5.14	2
Fibra cruda	3.7±0.42	11.47	4.3±0.49	11.38	2
Minerales	2.0±0.0	0.0	2.3±0.07	3.00	2
E.L.N.	66.0±0.71	1.07	77.5±1.48	1.91	2

194 MOCO DE PICHU

Humedad	64.0±0.0	0.0	—	—	1
Proteína cruda	2.6±0.0	0.0	7.2±0.0	0.0	1
Grasa cruda	0.7±0.0	0.0	1.9±0.0	0.0	1
Fibra cruda	5.7±0.0	0.0	15.8±0.0	0.0	1
Minerales	14.3±0.0	0.0	39.7±0.0	0.0	1
E.L.N.	12.6±0.0	0.0	35.0±0.0	0.0	1

195 MOSTAZA SEMILLA  
(*Brassica nigra*)

Humedad	79.4±0.0	0.0	—	—	1
Proteína cruda	3.6±0.0	0.0	17.5±0.0	0.0	1
Grasa cruda	1.3±0.0	0.0	6.2±0.0	0.0	1
Fibra cruda	6.8±0.0	0.0	33.0±0.0	0.0	1
Minerales	2.0±0.0	0.0	9.5±0.0	0.0	1
E.L.N.	7.0±0.0	0.0	34.0±0.0	0.0	1

196 NABO SEMILLAS 5-15-409  
(*Brassica spp*)

Humedad	9.1±0.0	0.0	—	—	1
Proteína cruda	11.1±0.0	0.0	12.3±0.0	0.0	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

197 NABO SEMILLA PASTA 5-03-109  
(*Brassica spp*)

Humedad	—	—	—	—	—
Proteína cruda	26.2±0.0	0.0	—	0.0	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

198 NARANJA CASCARA 4-13-373  
(*Citrus sinensis*)

Humedad	9.4±0.0	0.0	—	—	1
Proteína cruda	6.8±0.0	0.0	6.0±0.0	0.0	1
Grasa cruda	6.7±0.0	0.0	7.4±0.0	0.0	1
Fibra cruda	12.2±0.0	0.0	13.5±0.0	0.0	1
Minerales	7.9±0.0	0.0	13.7±0.0	0.0	1
E.L.N.	57.0±0.0	0.0	59.4±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

199 NARANJA BAGAZO  
(*Citrus sinensis*)

Determinación	Promedio±S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	24.7±15.56	62.98	—	—	2
Proteína cruda	5.0±0.91	18.27	6.0±0.99	16.50	3
Grasa cruda	1.9±1.06	54.39	2.5±0.85	33.94	2
Fibra cruda	14.6±1.13	7.75	19.9±5.59	28.00	2
Minerales	10.8±5.16	47.57	15.4±10.04	65.20	2
E.L.N.	43.4±20.58	47.36	56.0±15.77	28.13	2

200 NARANJA PULPA 4-11-750  
(*Citrus sinensis*)

Humedad	9.5±3.29	34.47	—	—	4
Proteína cruda	6.8±2.47	36.54	7.4±2.73	36.62	4
Grasa cruda	5.0±3.68	73.56	5.5±4.09	73.70	4
Fibra cruda	10.7±2.08	19.37	11.9±2.23	18.75	4
Minerales	7.9±3.13	39.42	8.8±3.44	39.22	4
E.L.N.	60.0±5.42	9.04	66.2±4.30	6.50	4

201 NAVAJUELA

Humedad	55.2±0.0	0.0	—	—	1
Proteína cruda	3.7±0.0	0.0	8.2±0.0	0.0	1
Grasa cruda	0.8±0.0	0.0	1.8±0.0	0.0	1
Fibra cruda	13.2±0.0	0.0	29.5±0.0	0.0	1
Minerales	5.5±0.0	0.0	12.3±0.0	0.0	1
E.L.N.	21.4±0.0	0.0	47.8±0.0	0.0	1

202 NOPAL  
(*Nopalea cochinillifera*)

Humedad	89.3±4.00	4.49	—	—	11
Proteína cruda	0.7±0.32	42.06	7.7±4.20	54.54	11
Grasa cruda	0.2±0.07	33.51	2.0±0.39	19.78	11
Fibra cruda	1.1±0.63	56.92	10.1±3.21	31.90	11
Minerales	1.9±0.71	37.96	18.0±7.04	39.18	11
E.L.N.	6.6±3.04	45.96	61.2±10.00	16.36	11

203 NOPAL ENSILADO  
(*Nopalea cochinillifera*)

Humedad	80.9±0.0	0.0	—	—	1
Proteína cruda	1.7±0.0	0.0	8.9±0.0	0.0	1
Grasa cruda	0.6±0.0	0.0	3.1±0.0	0.0	1
Fibra cruda	2.9±0.0	0.0	15.2±0.0	0.0	1
Minerales	3.1±0.0	0.0	16.2±0.0	0.0	1
E.L.N.	10.8±0.0	0.0	56.6±0.0	0.0	1

204 OCRA FRUTO  
(*Hibiscus esculentus*)

Humedad	9.0±0.0	0.0	—	—	1
Proteína cruda	20.2±0.0	0.0	22.2±0.0	0.0	1
Grasa cruda	14.0±0.0	0.0	15.4±0.0	0.0	1
Fibra cruda	28.3±0.0	0.0	31.1±0.0	0.0	1
Minerales	4.8±0.0	0.0	5.3±0.0	0.0	1
E.L.N.	23.7±0.0	0.0	26.0±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

205 PALMA CHINA DATIL SEMILLAS  
(*Yucca filifera*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	29.5±0.0	0.0	—	—	1
Proteína cruda	7.1±0.0	0.0	10.1±0.0	0.0	1
Grasa cruda	7.8±0.0	0.0	11.1±0.0	0.0	1
Fibra cruda	23.2±0.0	0.0	32.9±0.0	0.0	1
Minerales	2.1±0.0	0.0	3.0±0.0	0.0	1
E.L.N.	30.3±0.0	0.0	42.9±0.0	0.0	1

206 PALMA CHINA DATIL PULPA  
(*Yucca filifera*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	60.6±0.0	0.0	—	0.0	1
Proteína cruda	1.1±0.0	0.0	2.9±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	0.6±0.0	0.0	1
Fibra cruda	3.9±0.0	0.0	9.9±0.0	0.0	1
Minerales	1.8±0.0	0.0	4.7±0.0	0.0	1
E.L.N.	32.4±0.0	0.0	81.9±0.0	0.0	1

207 PALMA CHINA DATIL FRUTO COMPLETO  
(*Yucca filifera*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	55.0±0.0	0.0	—	—	1
Proteína cruda	2.0±0.0	0.0	4.5±0.0	0.0	1
Grasa cruda	1.3±0.0	0.0	1.9±0.0	0.0	1
Fibra cruda	6.7±0.0	0.0	15.0±0.0	0.0	1
Minerales	1.7±0.0	0.0	3.7±0.0	0.0	1
E.L.N.	33.3±0.0	0.0	74.9±0.0	0.0	1

208 PALMITO CENTRO  
(*Euterpe spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	80.3±0.0	0.0	—	—	1
Proteína cruda	3.5±0.0	0.0	17.8±0.0	0.0	1
Grasa cruda	0.4±0.0	0.0	2.0±0.0	0.0	1
Fibra cruda	3.7±0.0	0.0	18.9±0.0	0.0	1
Minerales	1.8±0.0	0.0	9.2±0.0	0.0	1
E.L.N.	10.3±0.0	0.0	52.5±0.0	0.0	1

209 PALMITO CORTEZA 1-11-674  
(*Euterpe spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	46.0±0.0	0.0	—	—	1
Proteína cruda	2.3±0.0	0.0	4.3±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	0.6±0.0	0.0	1
Fibra cruda	26.7±0.0	0.0	49.4±0.0	0.0	1
Minerales	3.2±0.0	0.0	5.9±0.0	0.0	1
E.L.N.	21.4±0.0	0.0	39.6±0.0	0.0	1

210 PALO BOBO

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	58.9±0.0	0.0	—	—	1
Proteína cruda	6.0±0.0	0.0	14.6±0.0	0.0	1
Grasa cruda	1.5±0.0	0.0	3.6±0.0	0.0	1
Fibra cruda	10.0±0.0	0.0	24.4±0.0	0.0	1
Minerales	5.4±0.0	0.0	13.1±0.0	0.0	1
E.L.N.	18.2±0.0	0.0	44.3±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

211 PANGOLA 1-10-637  
(*Digitaria decumbens*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	17.2±23.26	134.86	—	—	50
Proteína cruda	6.2± 2.47	39.95	7.7±2.59	33.47	50
Grasa cruda	1.3± 0.54	42.01	1.8±0.25	14.41	21
Fibra cruda	22.3± 9.73	43.53	30.1±3.56	11.82	21
Minerales	6.5± 4.82	74.47	8.9±3.51	39.26	15
E.L.N.	31.1±14.53	46.64	48.3±4.22	8.73	15

212 PANGOLA GIGANTE  
(*Digitaria scoporea*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.2±0.44	7.11	—	—	4
Proteína cruda	9.1±0.90	9.91	9.6±0.99	10.31	4
Grasa cruda	1.7±0.41	24.01	1.8±0.46	25.06	4
Fibra cruda	29.1±1.37	4.71	31.0±1.31	4.22	4
Minerales	11.9±1.37	11.51	12.7±1.43	11.27	4
E.L.N.	38.0±6.61	17.38	40.5±7.02	17.33	4

213 PARA 1-03-514  
(*Panicum purpurascens*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	29.0±43.84	150.99	—	—	3
Proteína cruda	3.7± 2.42	65.98	6.2±2.96	47.44	3
Grasa cruda	0.5± 0.0	0.0	2.4±0.0	0.0	1
Fibra cruda	25.5±17.47	68.62	34.9±6.86	19.69	3
Minerales	1.7± 0.0	0.0	8.3±0.0	0.0	1
E.L.N.	10.4± 0.0	0.0	50.7±0.0	0.0	1

214 PATA DE GALLO 2-03-451  
(*Dactylis glomerata*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	62.9±0.0	0.0	—	—	1
Proteína cruda	2.8±0.0	0.0	7.5±0.0	0.0	1
Grasa cruda	0.4±0.0	0.0	1.0±0.0	0.0	1
Fibra cruda	11.7±0.0	0.0	31.5±0.0	0.0	1
Minerales	6.1±0.0	0.0	16.3±0.0	0.0	1
E.L.N.	16.2±0.0	0.0	43.7±0.0	0.0	1

215 PEGA PEGA 2-13-999  
(*Desmodium intortum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	26.2±33.43	127.59	—	—	3
Proteína cruda	12.1± 5.38	44.50	16.6±2.92	17.60	3
Grasa cruda	1.5± 0.36	24.04	2.2±0.76	33.90	3
Fibra cruda	32.3±16.73	51.84	41.7±4.14	9.94	3
Minerales	5.3± 2.22	42.12	7.3±1.28	17.69	3
E.L.N.	22.4± 9.51	42.39	30.5±2.35	7.73	3

216 PESCADO HARINA NACIONAL 5-01-976

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.8±2.14	31.48	—	—	67
Proteína cruda	55.8±7.92	14.21	59.7±8.30	13.89	67
Grasa cruda	8.8±7.74	88.01	8.6±5.01	58.36	67
Fibra cruda	1.1±2.25	198.71	1.6±4.00	249.39	67
Minerales	21.1±6.89	32.59	22.4±7.68	34.23	67
E.L.N.	7.4±5.58	75.67	7.6±6.02	79.08	67

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

217 PEYOTE  
(*Lophophora williamsii*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	60.6±0.0	0.0	—	—	1
Proteína cruda	1.3±0.0	0.0	3.3±0.0	0.0	1
Grasa cruda	2.6±0.0	0.0	6.6±0.0	0.0	1
Fibra cruda	2.4±0.0	0.0	6.1±0.0	0.0	1
Minerales	7.9±0.0	0.0	20.1±0.0	0.0	1
E.L.N.	25.2±0.0	0.0	63.9±0.0	0.0	1

218 PIÑA CORONAS  
(*Ananas comosus*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.9±0.28	3.18	—	—	2
Proteína cruda	7.2±0.35	4.88	7.9±0.35	4.45	2
Grasa cruda	2.0±0.49	24.14	2.3±0.57	24.59	2
Fibra cruda	22.0±0.85	3.86	24.1±0.92	3.81	2
Minerales	5.2±0.85	16.32	5.7±0.92	15.99	2
E.L.N.	54.5±2.33	4.28	59.9±2.69	4.49	2

219 PIÑA PULPA 4-03-722  
(*Ananas comosus*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.5±0.85	9.98	—	—	2
Proteína cruda	3.3±0.28	8.57	3.6±0.28	7.86	2
Grasa cruda	0.8±0.14	17.68	0.9±0.14	15.71	2
Fibra cruda	17.3±2.26	13.08	18.9±2.26	11.97	2
Minerales	2.9±0.28	9.75	3.1±0.35	11.22	2
E.L.N.	67.1±1.48	2.21	73.4±2.26	3.08	2

220 PIÑA CASCARA  
(*Ananas comosus*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	13.9±0.0	0.0	—	—	1
Proteína cruda	7.0±0.0	0.0	8.1±0.0	0.0	1
Grasa cruda	1.0±0.0	0.0	1.3±0.0	0.0	1
Fibra cruda	20.0±0.0	0.0	23.2±0.0	0.0	1
Minerales	3.0±0.0	0.0	3.5±0.0	0.0	1
E.L.N.	58.9±0.0	0.0	68.4±0.0	0.0	1

221 PIÑA ENSILADA 3-13-618  
(*Ananas comosus*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	92.3±0.0	0.0	—	—	1
Proteína cruda	1.0±0.0	0.0	12.9±0.0	0.0	1
Grasa cruda	0.6±0.0	0.0	7.8±0.0	0.0	1
Fibra cruda	1.0±0.0	0.0	12.9±0.0	0.0	1
Minerales	0.9±0.0	0.0	11.7±0.0	0.0	1
E.L.N.	4.2±0.0	0.0	54.7±0.0	0.0	1

222 PLATANILLO HOJAS  
(*Asclepias spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	91.2±0.0	0.0	—	—	1
Proteína cruda	1.6±0.0	0.0	18.2±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	2.2±0.0	0.0	1
Fibra cruda	2.0±0.0	0.0	22.7±0.0	0.0	1
Minerales	1.3±0.0	0.0	14.7±0.0	0.0	1
E.L.N.	3.9±0.0	0.0	53.6±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

223 PLATANILLO RAIZ  
(*Asclepias spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	79.5±0.0	0.0	—	—	1
Proteína cruda	1.5±0.0	0.0	7.3±0.0	0.0	1
Grasa cruda	0.1±0.0	0.0	0.5±0.0	0.0	1
Fibra cruda	1.0±0.0	0.0	4.8±0.0	0.0	1
Minerales	5.8±0.0	0.0	28.4±0.0	0.0	1
E.L.N.	12.1±0.0	0.0	59.0±0.0	0.0	1

224 PLATANO HARINA 4-00-484  
(*Musa spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	12.8±2.26	17.68	—	—	2
Proteína cruda	4.7±1.91	40.19	5.4±2.33	42.82	2
Grasa cruda	1.2±0.0	0.0	1.4±0.0	0.0	1
Fibra cruda	3.3±0.0	0.0	3.9±0.0	0.0	1
Minerales	6.5±0.0	0.0	7.6±0.0	0.0	1
E.L.N.	68.4±0.0	0.0	79.9±0.0	0.0	1

225 PLUMA HARINA 5-13-540

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	9.2±0.21	2.29	—	—	2
Proteína cruda	79.2±0.49	0.54	87.1±0.49	0.57	2
Grasa cruda	1.4±0.07	4.88	1.5±0.07	4.56	2
Fibra cruda	0.3±0.42	141.42	0.3±0.49	141.42	2
Minerales	1.3±0.07	5.24	1.4±0.07	4.88	2
E.L.N.	8.4±0.28	3.37	9.2±0.35	3.82	2

226 PLUMA HIDROLIZADA HARINA 5-03-795

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.5±3.53	47.14	—	—	2
Proteína cruda	80.3±3.39	4.23	87.6±1.01	1.16	3
Grasa cruda	2.7±1.48	54.00	2.9±1.48	50.34	2
Fibra cruda	0.6±0.92	141.42	0.7±0.99	141.42	2
Minerales	2.0±1.34	65.54	2.6±1.98	76.15	2
E.L.N.	5.5±2.40	43.71	6.0±2.83	47.14	2

227 POLLO EMBRION

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	1.8±0.0	0.0	—	—	1
Proteína cruda	46.8±0.0	0.0	47.7±0.0	0.0	1
Grasa cruda	35.2±0.0	0.0	35.8±0.0	0.0	1
Fibra cruda	0.0±0.0	0.0	0.0±0.0	0.0	1
Minerales	5.1±0.0	0.0	5.2±0.0	0.0	1
E.L.N.	11.1±0.0	0.0	11.3±0.0	0.0	1

228 PROMINE

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	—	—	—	—	—
Proteína cruda	71.7±0.0	0.0	—	—	1
Grasa cruda	—	—	—	—	—
Fibra cruda	—	—	—	—	—
Minerales	—	—	—	—	—
E.L.N.	—	—	—	—	—

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

229 QUELITE  
(*Chenopodium album*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	60.1 ± 0.0	0.0	—	—	1
Proteína cruda	2.5 ± 0.0	0.0	6.4 ± 0.0	0.0	1
Grasa cruda	0.5 ± 0.0	0.0	1.3 ± 0.0	0.0	1
Fibra cruda	12.3 ± 0.0	0.0	30.8 ± 0.0	0.0	1
Minerales	3.7 ± 0.0	0.0	9.3 ± 0.0	0.0	1
E.L.N.	20.9 ± 0.0	0.0	52.3 ± 0.0	0.0	1

230 RHODES 1-10-616  
(*Chloris gayana*)

Humedad	4.9 ± 0.0	0.0	—	—	1
Proteína cruda	8.0 ± 0.0	0.0	8.4 ± 0.0	0.0	1
Grasa cruda	1.5 ± 0.0	0.0	1.6 ± 0.0	0.0	1
Fibra cruda	30.7 ± 0.0	0.0	32.3 ± 0.0	0.0	1
Minerales	11.9 ± 0.0	0.0	12.5 ± 0.0	0.0	1
E.L.N.	42.9 ± 0.0	0.0	45.1 ± 0.0	0.0	1

231 ROCAS FOSFORICAS 6-03-945

Determinación	Promedio ± S		N	C.V.
	Base húmeda			
Calcio	23.5 ± 5.41		311	25.26
Fósforo	13.1 ± 2.84		311	23.61
Manganeso	0.16 ± 0.63		135	85.29
Relación Ca/P	1.8 ± 0.51		311	25.61

232 SALADO 2-13-870  
(*Atriplex pentandra*)

Humedad	14.8 ± 0.0	0.0	—	—	1
Proteína cruda	8.5 ± 0.0	0.0	9.9 ± 0.0	0.0	1
Grasa cruda	1.7 ± 0.0	0.0	1.9 ± 0.0	0.0	1
Fibra cruda	19.7 ± 0.0	0.0	23.1 ± 0.0	0.0	1
Minerales	12.9 ± 0.0	0.0	15.2 ± 0.0	0.0	1
E.L.N.	42.4 ± 0.0	0.0	49.8 ± 0.0	0.0	1

233 SAMAN VAINA COMPLETA  
(*Phaseolus saman*)

Humedad	34.8 ± 0.0	0.0	—	0.0	1
Proteína cruda	16.7 ± 0.0	0.0	25.6 ± 0.0	0.0	1
Grasa cruda	2.6 ± 0.0	0.0	4.0 ± 0.0	0.0	1
Fibra cruda	13.9 ± 0.0	0.0	21.3 ± 0.0	0.0	1
Minerales	3.3 ± 0.0	0.0	5.1 ± 0.0	0.0	1
E.L.N.	53.5 ± 0.0	0.0	82.1 ± 0.0	0.0	1

234 SANGRE HARINA 5-00-380

Humedad	11.0 ± 9.95	90.06	—	—	10
Proteína cruda	74.6 ± 7.89	10.37	83.7 ± 5.15	6.15	10
Grasa cruda	1.5 ± 1.72	114.26	1.6 ± 1.88	114.18	10
Fibra cruda	0.0 ± 0.13	316.23	0.0 ± 0.13	316.23	10
Minerales	4.8 ± 2.31	38.41	5.6 ± 1.70	30.06	10
E.L.N.	7.9 ± 4.38	55.57	8.7 ± 4.85	55.81	10

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

235 SANGRE HARINA DE AVES

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	70.5 ± 0.0	0.0	—	—	1
Proteína cruda	26.2 ± 0.0	0.0	88.8 ± 0.0	0.0	1
Grasa cruda	0.3 ± 0.0	0.0	1.0 ± 0.0	0.0	1
Fibra cruda	0.0 ± 0.0	0.0	0.0 ± 0.0	0.0	1
Minerales	1.3 ± 0.0	0.0	4.4 ± 0.0	0.0	1
E.L.N.	1.6 ± 0.0	0.0	5.4 ± 0.0	0.0	1

236 SEGNAPUS spp

Humedad	22.5 ± 0.0	0.0	—	—	1
Proteína cruda	12.4 ± 0.0	0.0	16.0 ± 0.0	0.0	1
Grasa cruda	10.9 ± 0.0	0.0	14.1 ± 0.0	0.0	1
Fibra cruda	0.9 ± 0.0	0.0	1.2 ± 0.0	0.0	1
Minerales	24.1 ± 0.0	0.0	31.1 ± 0.0	0.0	1
E.L.N.	29.2 ± 0.0	0.0	37.7 ± 0.0	0.0	1

237 SIRATRO 2-13-702  
(*Phaseolus arthropurpureus*)

Humedad	28.7 ± 30.19	105.02	—	—	2
Proteína cruda	10.6 ± 5.66	53.37	14.4 ± 1.77	12.23	2
Grasa cruda	1.6 ± 0.14	8.84	2.4 ± 0.85	35.35	2
Fibra cruda	26.9 ± 13.72	50.99	37.0 ± 3.53	9.55	2
Minerales	7.3 ± 4.81	65.87	9.6 ± 2.62	27.11	2
E.L.N.	24.7 ± 5.80	23.47	36.2 ± 7.21	19.92	2

238 SORGO DULCE PLANTA COMPLETA 1-04-460  
(*Sorghum vulgare var. saccharatum*)

Humedad	38.1 ± 0.0	0.0	—	—	1
Proteína cruda	3.7 ± 0.0	0.0	6.0 ± 0.0	0.0	1
Grasa cruda	2.3 ± 0.0	0.0	3.8 ± 0.0	0.0	1
Fibra cruda	13.5 ± 0.0	0.0	21.8 ± 0.0	0.0	1
Minerales	4.6 ± 0.0	0.0	7.5 ± 0.0	0.0	1
E.L.N.	37.7 ± 0.0	0.0	60.8 ± 0.0	0.0	1

239 SORGO DULCE  
(*Sorghum vulgare var. saccharatum*)

Humedad	26.3 ± 31.32	118.95	—	—	3
Proteína cruda	4.5 ± 3.20	71.11	5.6 ± 2.52	45.07	3
Grasa cruda	0.9 ± 0.21	22.30	1.4 ± 0.44	31.13	3
Fibra cruda	22.0 ± 8.79	40.00	30.3 ± 2.14	7.05	3
Minerales	5.9 ± 2.24	38.13	8.1 ± 0.65	8.10	3
E.L.N.	37.7 ± 22.16	58.85	41.0 ± 24.23	59.11	3

240 SORGO ENSILADO 3-10-426  
(*Sorghum vulgare*)

Humedad	73.7 ± 4.53	6.15	—	—	12
Proteína cruda	3.2 ± 2.27	71.98	9.2 ± 8.94	96.78	14
Grasa cruda	1.0 ± 0.84	81.00	3.9 ± 3.39	87.64	12
Fibra cruda	14.6 ± 10.18	69.63	39.1 ± 19.33	49.38	11
Minerales	3.7 ± 2.16	58.09	9.6 ± 1.31	13.76	12
E.L.N.	21.9 ± 15.15	69.17	49.5 ± 6.72	13.57	11

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

241 SORGO FORRAJERO 1-13-489  
(*Sorghum vulgare*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	86.4 ± 1.89	2.19	—	—	5
Proteína cruda	1.4 ± 0.44	32.30	10.0 ± 3.23	32.29	5
Grasa cruda	0.5 ± 0.15	32.97	3.3 ± 1.03	31.63	5
Fibra cruda	4.0 ± 0.46	11.45	29.8 ± 2.65	8.87	5
Minerales	1.8 ± 0.35	19.82	13.6 ± 0.97	7.16	5
E.L.N.	5.9 ± 1.04	17.69	43.7 ± 3.14	7.19	5

242 SORGO PLANTA COMPLETA 1-07-960  
(*Sorghum vulgare*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.6 ± 11.54	174.71	—	—	26
Proteína cruda	5.9 ± 2.43	41.21	6.6 ± 2.48	37.45	12
Grasa cruda	1.5 ± 0.85	56.28	1.8 ± 0.68	37.68	4
Fibra cruda	20.8 ± 11.76	56.42	26.0 ± 9.05	34.80	4
Minerales	4.8 ± 3.19	66.39	6.1 ± 2.99	48.79	4
E.L.N.	19.6 ± 22.28	113.55	54.2 ± 10.27	18.93	4

243 SORGO GRANO 4-11-594  
(*Sorghum vulgare*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	11.1 ± 2.21	19.95	—	—	51
Proteína cruda	8.8 ± 1.71	19.49	10.0 ± 1.97	19.75	55
Grasa cruda	3.2 ± 1.37	43.13	3.5 ± 1.46	41.56	46
Fibra cruda	2.8 ± 4.18	146.61	3.2 ± 4.58	145.05	46
Minerales	2.8 ± 3.86	136.16	3.1 ± 4.08	130.86	46
E.L.N.	70.7 ± 6.89	9.75	79.7 ± 8.12	10.18	46

244 SOYA PASTA 5-04-605  
(*Glycine max*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.8 ± 1.49	17.06	—	—	15
Proteína cruda	45.8 ± 3.07	6.71	50.2 ± 3.10	6.16	18
Grasa cruda	1.2 ± 0.96	79.18	1.3 ± 1.01	77.07	14
Fibra cruda	5.3 ± 2.40	45.41	5.7 ± 2.6	45.44	14
Minerales	6.9 ± 0.73	10.54	7.5 ± 0.82	10.86	14
E.L.N.	31.6 ± 3.46	10.95	34.6 ± 3.82	11.07	14

245 SOYA CLARENCE  
(*Glycine javanica* var. *Clarence*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.2 ± 0.0	0.0	—	—	2
Proteína cruda	13.6 ± 0.28	2.09	14.4 ± 0.28	1.96	2
Grasa cruda	1.4 ± 0.07	4.88	1.5 ± 0.07	4.56	2
Fibra cruda	39.0 ± 0.35	0.90	41.6 ± 0.35	0.85	2
Minerales	8.5 ± 0.64	7.44	9.1 ± 0.75	7.77	2
E.L.N.	31.0 ± 1.20	3.87	33.1 ± 1.28	3.84	2

246 SOYA COOPER  
(*Glycine javanica* var. *Cooper*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.3 ± 0.71	9.69	—	—	2
Proteína cruda	14.3 ± 0.28	1.98	15.4 ± 0.42	2.75	2
Grasa cruda	1.6 ± 0.21	12.86	1.7 ± 0.21	12.12	2
Fibra cruda	37.5 ± 0.71	1.89	40.4 ± 0.42	1.05	2
Minerales	9.5 ± 0.64	6.66	10.2 ± 0.78	7.59	2
E.L.N.	29.8 ± 1.27	4.30	32.3 ± 1.13	3.55	2

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

247 SOYA PAJA 1-04-567  
(*Glycine max*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	4.2 ± 0.0	0.0	—	—	1
Proteína cruda	—	—	—	—	0
Grasa cruda	1.5 ± 0.0	0.0	1.6 ± 0.0	0.0	1
Fibra cruda	50.6 ± 0.0	0.0	52.8 ± 0.0	0.0	1
Minerales	—	—	—	—	0
E.L.N.	—	—	—	—	0

248 SOYA TINAROO  
(*Glycine javanica* var. *Tinaroo*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	6.9 ± 0.21	3.05	—	—	2
Proteína cruda	17.5 ± 0.63	3.63	18.8 ± 0.78	4.13	2
Grasa cruda	2.1 ± 0.50	23.02	2.3 ± 0.56	24.59	2
Fibra cruda	37.9 ± 0.92	2.42	40.7 ± 1.06	2.60	2
Minerales	10.9 ± 0.35	3.23	11.7 ± 0.35	3.00	2
E.L.N.	24.3 ± 2.61	10.74	26.1 ± 2.76	10.53	2

249 SOYA SALVADO 1-04-565  
(*Glycine max*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	8.6 ± 0.0	0.0	—	—	1
Proteína cruda	9.3 ± 0.0	0.0	10.2 ± 0.0	0.0	1
Grasa cruda	0.7 ± 0.0	0.0	0.8 ± 0.0	0.0	1
Fibra cruda	40.9 ± 0.0	0.0	44.7 ± 0.0	0.0	1
Minerales	5.4 ± 0.0	0.0	5.9 ± 0.0	0.0	1
E.L.N.	35.1 ± 0.0	0.0	38.4 ± 0.0	0.0	1

250 SUDAN 2-13-496  
(*Sorghum sudanense*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	62.2 ± 0.0	0.0	—	—	1
Proteína cruda	5.2 ± 0.0	0.0	15.4 ± 0.0	0.0	1
Grasa cruda	1.3 ± 0.0	0.0	3.8 ± 0.0	0.0	1
Fibra cruda	3.3 ± 0.0	0.0	9.8 ± 0.0	0.0	1
Minerales	2.0 ± 0.0	0.0	5.9 ± 0.0	0.0	1
E.L.N.	22.0 ± 0.0	0.0	65.1 ± 0.0	0.0	1

251 SPIRULINA MAXIMA ALGAS  
(*Alga Cyanophyceae*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	7.1 ± 0.0	0.0	—	—	1
Proteína cruda	58.5 ± 0.0	0.0	62.0 ± 0.0	0.0	1
Grasa cruda	3.6 ± 0.0	0.0	3.9 ± 0.0	0.0	1
Fibra cruda	3.4 ± 0.0	0.0	3.7 ± 0.0	0.0	1
Minerales	6.8 ± 0.0	0.0	7.3 ± 0.0	0.0	1
E.L.N.	20.6 ± 0.0	0.0	23.1 ± 0.0	0.0	1

252 SUGAR CHERRY

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	34.7 ± 0.0	0.0	—	—	1
Proteína cruda	3.2 ± 0.0	0.0	4.9 ± 0.0	0.0	1
Grasa cruda	0.9 ± 0.0	0.0	1.4 ± 0.0	0.0	1
Fibra cruda	19.3 ± 0.0	0.0	29.6 ± 0.0	0.0	1
Minerales	4.5 ± 0.0	0.0	6.9 ± 0.0	0.0	1
E.L.N.	37.4 ± 0.0	0.0	57.3 ± 0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

## 253 SYMPHYTUM PERIGRIUM 1-10-784

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	82.9±2.54	3.07	—	—	2
Proteína cruda	2.5±0.35	13.86	18.0±0.35	1.96	2
Grasa cruda	0.5±0.14	28.28	3.5±0.57	16.16	2
Fibra cruda	1.0±0.28	28.28	7.0±1.13	16.16	2
Minerales	2.9±0.07	2.40	21.0±3.04	14.44	2
E.L.N.	7.0±0.85	12.12	49.6±0.07	0.14	2

## 254 TARRO TALLOS

Humedad	93.4±0.0	0.0	—	—	1
Proteína cruda	0.8±0.0	0.0	12.1±0.0	0.0	1
Grasa cruda	0.1±0.0	0.0	1.5±0.0	0.0	1
Fibra cruda	1.0±0.0	0.0	15.1±0.0	0.0	1
Minerales	1.0±0.0	0.0	15.1±0.0	0.0	1
E.L.N.	3.6±0.0	0.0	54.5±0.0	0.0	1

## 255 TARRO HOJAS

Humedad	77.8±0.0	0.0	—	—	1
Proteína cruda	4.4±0.0	0.0	19.8±0.0	0.0	1
Grasa cruda	0.7±0.0	0.0	3.1±0.0	0.0	1
Fibra cruda	3.7±0.0	0.0	16.7±0.0	0.0	1
Minerales	3.6±0.0	0.0	16.2±0.0	0.0	1
E.L.N.	9.7±0.0	0.0	43.7±0.0	0.0	1

## 256 TARRO BULBOS

Humedad	66.2±0.0	0.0	—	—	1
Proteína cruda	2.9±0.0	0.0	8.9±0.0	0.0	1
Grasa cruda	0.3±0.0	0.0	0.9±0.0	0.0	1
Fibra cruda	4.5±0.0	0.0	13.3±0.0	0.0	1
Minerales	12.4±0.0	0.0	36.7±0.0	0.0	1
E.L.N.	13.7±0.0	0.0	40.2±0.0	0.0	1

## 257 TEPAME VAINAS

Humedad	7.0±0.0	0.0	—	—	1
Proteína cruda	8.9±0.0	0.0	9.6±0.0	0.0	1
Grasa cruda	1.2±0.0	0.0	1.3±0.0	0.0	1
Fibra cruda	33.8±0.0	0.0	36.3±0.0	0.0	1
Minerales	4.9±0.0	0.0	5.3±0.0	0.0	1
E.L.N.	44.0±0.0	0.0	47.3±0.0	0.0	1

258 TREBOL LADINO 2-10-171  
(*Trifolium repens*)

Humedad	73.9±0.0	0.0	—	—	1
Proteína cruda	5.9±0.0	0.0	22.5±0.0	0.0	1
Grasa cruda	0.6±0.0	0.0	2.2±0.0	0.0	1
Fibra cruda	5.4±0.0	0.0	20.8±0.0	0.0	1
Minerales	3.3±0.0	0.0	12.6±0.0	0.0	1
E.L.N.	11.0±0.0	0.0	41.9±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

259 TRIGO GRANO 4-13-192  
(*Triticum aestivum*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	9.2±1.09	11.75	—	—	7
Proteína cruda	13.7±1.52	11.09	15.2±1.78	11.76	7
Grasa cruda	2.2±1.16	51.92	2.4±1.29	52.58	7
Fibra cruda	2.1±1.50	70.76	2.3±1.64	71.06	7
Minerales	2.1±0.47	21.86	2.3±0.53	22.56	7
E.L.N.	70.7±3.29	4.65	77.8±3.09	3.97	7

260 TRIGO HARINA 4-13-417  
(*Triticum aestivum*)

Humedad	10.5±2.32	22.16	—	—	4
Proteína cruda	12.5±2.48	19.92	13.9±2.78	20.62	4
Grasa cruda	1.8±0.15	8.33	2.0±0.20	10.00	3
Fibra cruda	1.9±1.30	67.51	2.2±1.46	67.25	3
Minerales	1.7±0.87	50.94	1.9±1.04	54.70	3
E.L.N.	72.4±6.05	8.35	80.4±5.33	6.63	3

261 TRIGO SALVADO 4-11-741  
(*Triticum aestivum*)

Humedad	10.6±1.81	17.08	—	—	24
Proteína cruda	14.5±2.20	15.18	16.3±2.41	14.82	28
Grasa cruda	3.2±0.85	26.19	3.6±0.92	25.66	24
Fibra cruda	9.8±3.68	37.52	10.6±4.30	40.73	24
Minerales	5.6±1.79	31.71	6.3±1.98	31.39	24
E.L.N.	55.1±6.14	11.14	61.6±7.05	11.45	24

262 TRIGO PAJA ENSILADA  
(*Triticum aestivum*)

Humedad	73.2±0.0	0.0	—	—	1
Proteína cruda	3.4±0.0	0.0	12.7±0.0	0.0	1
Grasa cruda	0.8±0.0	0.0	3.0±0.0	0.0	1
Fibra cruda	7.9±0.0	0.0	29.5±0.0	0.0	1
Minerales	3.3±0.0	0.0	12.3±0.0	0.0	1
E.L.N.	11.3±0.0	0.0	42.2±0.0	0.0	1

263 TRIGO GERME 5-13-261  
(*Triticum aestivum*)

Humedad	9.4±2.76	29.18	—	—	2
Proteína cruda	26.1±3.39	13.00	28.8±2.83	9.82	2
Grasa cruda	7.2±1.48	20.48	8.0±1.41	17.68	2
Fibra cruda	1.6±2.26	141.42	1.8±2.54	141.42	2
Minerales	7.2±2.90	39.99	8.1±3.53	43.65	2
E.L.N.	48.3±3.11	6.44	53.3±1.77	3.31	2

264 TRIGO ACEMITE  
(*Triticum aestivum*)

Humedad	11.2±0.0	0.0	—	—	1
Proteína cruda	15.8±0.0	0.0	17.8±0.0	0.0	1
Grasa cruda	3.2±0.0	0.0	5.6±0.0	0.0	1
Fibra cruda	8.9±0.0	0.0	10.0±0.0	0.0	1
Minerales	8.7±0.0	0.0	9.8±0.0	0.0	1
E.L.N.	52.2±0.0	0.0	58.8±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

265 TRIGO SARRACENO 4-00-994  
(*Fagopyrum spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	4.2±0.0	0.0	—	—	1
Proteína cruda	10.8±0.0	0.0	11.3±0.0	0.0	1
Grasa cruda	2.5±0.0	0.0	2.6±0.0	0.0	1
Fibra cruda	15.1±0.0	0.0	15.8±0.0	0.0	1
Minerales	2.1±0.0	0.0	2.2±0.0	0.0	1
E.L.N.	65.3±0.0	0.0	68.1±0.0	0.0	1

266 TRUDAN

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	61.5±14.99	24.37	—	—	2
Proteína cruda	5.5± 2.47	44.59	14.3± 0.85	5.93	2
Grasa cruda	1.7± 0.64	36.36	4.6± 0.14	3.07	2
Fibra cruda	21.9±19.09	87.18	51.1±29.70	58.12	2
Minerales	5.1± 1.48	28.83	13.7± 1.55	11.35	2
E.L.N.	24.6±20.69	82.33	58.1±30.12	51.85	2

267 TRUENO O TABAQUILLO

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	71.3±0.0	0.0	—	—	1
Proteína cruda	9.2±0.0	0.0	32.0±0.0	0.0	1
Grasa cruda	1.8±0.0	0.0	6.3±0.0	0.0	1
Fibra cruda	2.5±0.0	0.0	8.7±0.0	0.0	1
Minerales	3.0±0.0	0.0	10.4±0.0	0.0	1
E.L.N.	11.9±0.0	0.0	41.5±0.0	0.0	1

268 TUMATISSO VERDE

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	75.2±0.0	0.0	—	—	1
Proteína cruda	2.9±0.0	0.0	11.7±0.0	0.0	1
Grasa cruda	1.7±0.0	0.0	6.8±0.0	0.0	1
Fibra cruda	8.5±0.0	0.0	34.3±0.0	0.0	1
Minerales	1.9±0.0	0.0	7.7±0.0	0.0	1
E.L.N.	9.8±0.0	0.0	39.5±0.0	0.0	1

269 TUMATISSO MADURO

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	87.9±0.0	0.0	—	—	1
Proteína cruda	1.4±0.0	0.0	11.6±0.0	0.0	1
Grasa cruda	0.4±0.0	0.0	3.3±0.0	0.0	1
Fibra cruda	3.8±0.0	0.0	31.4±0.0	0.0	1
Minerales	0.8±0.0	0.0	6.6±0.0	0.0	1
E.L.N.	5.7±0.0	0.0	47.1±0.0	0.0	1

270 TUNA FRESCA 4-13-471  
(*Opuntia vulgaris*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	90.4±0.0	0.0	—	—	1
Proteína cruda	0.8±0.0	0.0	8.3±0.0	0.0	1
Grasa cruda	0.2±0.0	0.0	2.1±0.0	0.0	1
Fibra cruda	1.8±0.0	0.0	18.7±0.0	0.0	1
Minerales	1.7±0.0	0.0	17.7±0.0	0.0	1
E.L.N.	5.1±0.0	0.0	53.1±0.0	0.0	1

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.

271 TUNA CASCARA  
(*Opuntia vulgaris*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	86.1±0.0	0.0	—	—	1
Proteína cruda	1.0±0.0	0.0	7.2±0.0	0.0	1
Grasa cruda	0.4±0.0	0.0	2.9±0.0	0.0	1
Fibra cruda	1.4±0.0	0.0	10.1±0.0	0.0	1
Minerales	2.9±0.0	0.0	20.9±0.0	0.0	1
E.L.N.	8.1±0.0	0.0	58.3±0.0	0.0	1

272 VALPUDIN  
(*Alopecurus pratensis*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	33.5±0.0	0.0	—	—	1
Proteína cruda	7.9±0.0	0.0	11.9±0.0	0.0	1
Grasa cruda	9.1±0.0	0.0	13.7±0.0	0.0	1
Fibra cruda	1.3±0.0	0.0	1.9±0.0	0.0	1
Minerales	16.3±0.0	0.0	24.8±0.0	0.0	1
E.L.N.	31.7±0.0	0.0	47.7±0.0	0.0	1

273 YUCA HARINA 4-01-152  
(*Manihot utilisima*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	9.7± 6.42	66.21	—	—	12
Proteína cruda	3.5± 1.03	29.03	3.9±1.10	28.11	12
Grasa cruda	0.8± 0.23	29.62	0.9±0.23	27.04	11
Fibra cruda	2.9± 1.53	52.12	3.3±1.69	51.73	11
Minerales	8.1± 8.61	106.64	8.9±9.28	103.93	11
E.L.N.	75.0±10.39	13.84	83.0±9.51	11.47	11

274 YUCA FRESCA 4-01-150  
(*Manihot spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	63.3±6.40	10.12	—	—	36
Proteína cruda	1.2±0.29	24.34	3.4±0.92	26.64	36
Grasa cruda	0.2±0.07	32.53	0.6±0.15	22.90	36
Fibra cruda	1.5±0.57	38.81	4.1±1.53	37.16	36
Minerales	1.2±0.20	17.18	3.3±0.47	14.46	36
E.L.N.	32.6±6.09	18.72	88.6±2.19	2.47	36

275 ZACATON ALCALINO 1-04-097  
(*Sporobolus airoides*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	5.0±0.0	0.0	—	—	1
Proteína cruda	3.9±0.0	0.0	4.1±0.0	0.0	1
Grasa cruda	1.3±0.0	0.0	1.4±0.0	0.0	1
Fibra cruda	33.0±0.0	0.0	34.7±0.0	0.0	1
Minerales	6.2±0.0	0.0	6.5±0.0	0.0	1
E.L.N.	50.6±0.0	0.0	53.3±0.0	0.0	1

276 ZANAHORIA ENTERA 4-01-145  
(*Daucus spp*)

Determinación	Promedio ± S		Base seca	C.V.	N
	Base húmeda	C.V.			
Humedad	49.8±57.84	116.15	—	—	2
Proteína cruda	2.0± 1.77	86.23	6.1±3.53	57.96	2
Grasa cruda	0.8± 0.99	123.74	1.3±0.35	26.19	2
Fibra cruda	2.0± 2.33	113.83	4.2±0.14	3.37	2
Minerales	2.7± 2.54	94.28	7.3±3.39	46.49	2
E.L.N.	42.7±50.27	118.16	81.1±7.35	9.13	2

S = Desviación estándar.  
N = Número de observaciones.  
C.V. = Coeficiente de variación.  
E.L.N. = Extracto libre de nitrógeno.