

Sample Information Report

Diavetsa, de C.V. (6060), San Salvador, El Salvador

Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071369-001 Date of delivery: 2022-11-25 Date of release: 2022-11-25

Material Type: Raw Materials Material: Soybean Meal Phase:

Description:

Description 1: AMINONIR Soya Sample SAL554-22



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Analytical Report

Diavetsa, de C.V. (6060), San Salvador, El Salvador

Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071369-001

Material: Soybean Meal

Description:

Results of amino acid analysis

Parameter	Content (% as is)	Content (%)*	Content (% in CP)
Dry matter	88.01		
CP **	44.78	44.78	
Methionine	0.596	0.596	1.331
Cystine	0.644	0.644	1.439
Methionine + Cystine **	1.23	1.23	2.746
Lysine	2.758	2.758	6.159
Threonine	1.736	1.736	3.877
Tryptophan	0.603	0.603	1.346
Arginine	3.155	3.154	7.045
Isoleucine	2.059	2.059	4.597
Leucine	3.328	3.327	7.431
Valine	2.116	2.115	4.725
Histidine	1.142	1.142	2.55
Phenylalanine	2.257	2.256	5.039
Glycine	1.919	1.918	4.285
Serine	2.215	2.215	4.946
Proline	2.249	2.249	5.023
Alanine	1.941	1.941	4.335
Aspartic acid	4.988	4.987	11.137
Glutamic acid	7.851	7.85	17.531
NH3	0.883	0.883	1.972
Sum including NH3 **	41.815	41.81	93.375
Sum without NH3 **	40.761	40.756	91.021

* DMS: Figures standardized to a dry matter content of 88%, CP = Crude protein, calibration based on Dumas combustion method (CP factor 6.25)

** estimated with separate calibration equation

NIRS calibration equation: agSOYA22_227670_v13



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Analytical Report

Diavetsa, de C.V. (6060), San Salvador, El Salvador

Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071369-001

Material: Soybean Meal

Description:

Standardized ileal digestible amino acid content (Pig)

Parameter	Content (% as is)	Content (%)*
Methionine	0.542	0.542
Cystine	0.548	0.548
Methionine + Cystine **	1.082	1.082
Lysine	2.482	2.482
Threonine	1.511	1.51
Tryptophan	0.537	0.536
Arginine	3.029	3.028
Isoleucine	1.853	1.853
Leucine	2.962	2.961
Valine	1.904	1.904
Histidine	1.039	1.039
Phenylalanine	2.031	2.031

* DMS: Figures standardized to a dry matter content of 88%

** estimated with separate calibration equation



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Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071369-001

Material: Soybean Meal

Description:

Standardized ileal digestible amino acid content (Broiler)

Parameter	Content (% as is)	Content (%)*
Methionine	0.536	0.536
Cystine	0.503	0.503
Methionine + Cystine **	1.033	1.033
Lysine	2.455	2.455
Threonine	1.441	1.441
Tryptophan	0.537	0.536
Arginine	2.871	2.871
Isoleucine	1.791	1.791
Leucine	2.895	2.895
Valine	1.82	1.819
Histidine	1.016	1.016
Phenylalanine	1.986	1.986
Glycine	1.593	1.592
Serine	1.971	1.971
Proline	1.957	1.957
Alanine	1.669	1.669
Aspartic acid	4.289	4.289
Glutamic acid	7.066	7.065

* DMS: Figures standardized to a dry matter content of 88%

** estimated with separate calibration equation



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Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071369-001

Material: Soybean Meal

Description:

AMINONIR® Prox

Parameter	Content (% as is)	Content (%)*
Dry matter	88.01	
CP **	44.78	44.78
Ether Extract	3.1	3.1
Crude Fibre	5.8	5.8
Crude Ash	6.2	6.2
Starch	0.9	0.9
Acid Detergent Fibre (ADF)	7.5	7.5
Neutral Detergent Fibre (NDF)	10.6	10.6
Sugar	8.9	8.9
Phosphorus (mg/kg)	5617	5616
Phytic Phosphorus estim. (mg/kg)	3370	3370

* DMS: Figures standardized to a dry matter content of 88%, CP = Crude protein, calibration based on Dumas combustion method (CP factor 6.25)

** estimated with separate calibration equation

NIRS calibration equation: pgSOY34_189070_v12



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Analytical Report

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Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071369-001

Material: Soybean Meal

Description:

AMINONIR® NRG

Parameter	Content (as is)	Content *
Gross Energy (GE) [MJ/kg]	17.647	17.645
Gross Energy (GE_KCAL) [kcal/kg]	4215	4214
Digestible Energy Growing Pigs (DE_GP) [MJ/kg]	15.445	15.443
Digestible Energy Growing Pigs (DE_GP_KCAL) [kcal/kg]	3689	3688
Digestible Energy Sows (DE_S) [MJ/kg]	16.418	16.416
Digestible Energy Sows (DE_S_KCAL) [kcal/kg]	3921	3921
Metabolisable Energy Growing Pigs (ME_GP) [MJ/kg]	14.117	14.115
Metabolisable Energy Growing Pigs (ME_GP_KCAL) [kcal/kg]	3372	3371
Metabolisable Energy Sows (ME_S) [MJ/kg]	14.826	14.824
Metabolisable Energy Sows (ME_S_KCAL) [kcal/kg]	3541	3541
Net Energy Growing Pigs (NE_GP) [MJ/kg]	9.038	9.037
Net Energy Growing Pigs (NE_GP_KCAL) [kcal/kg]	2159	2158
Net Energy Sows (NE_S) [MJ/kg]	9.704	9.702
Net Energy Sows (NE_S_KCAL) [kcal/kg]	2318	2317
Apparent Metabolisable Energy (AME _n) [MJ/kg]	9.682	9.681
Apparent Metabolisable Energy (AME _n _KCAL) [kcal/kg]	2313	2312

* DMS: Figures standardized to a dry matter content of 88%



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Sample Information Report

Diavetsa, de C.V. (6060), San Salvador, El Salvador

Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071370-001 Date of delivery: 2022-11-25 Date of release: 2022-11-25

Material Type: Raw Materials Material: Corn Phase:

Description:

Description 1: AMINONIR Corn Sample SAL546-22



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Analytical Report

Diavetsa, de C.V. (6060), San Salvador, El Salvador

Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071370-001

Material: Corn

Description:

Results of amino acid analysis

Parameter	Content (% as is)	Content (%)*	Content (% in CP)
Dry matter	87.16		
CP **	7.1	7.17	
Methionine	0.153	0.154	2.151
Cystine	0.162	0.164	2.286
Methionine + Cystine **	0.319	0.322	4.499
Lysine	0.248	0.251	3.496
Threonine	0.251	0.254	3.539
Tryptophan	0.06	0.061	0.847
Arginine	0.368	0.372	5.19
Isoleucine	0.231	0.233	3.256
Leucine	0.747	0.754	10.523
Valine	0.335	0.338	4.721
Histidine	0.201	0.202	2.825
Phenylalanine	0.31	0.313	4.363
Glycine	0.3	0.303	4.232
Serine	0.332	0.335	4.674
Proline	0.611	0.617	8.612
Alanine	0.493	0.498	6.95
Aspartic acid	0.472	0.477	6.651
Glutamic acid	1.19	1.201	16.763
NH3	0.152	0.153	2.139
Sum including NH3 **	6.622	6.687	93.303
Sum without NH3 **	6.446	6.508	90.816

* DMS: Figures standardized to a dry matter content of 88%, CP = Crude protein, calibration based on Dumas combustion method (CP factor 6.25)

** estimated with separate calibration equation

NIRS calibration equation: agCORN00_180070_v13



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Lab code: NW22-1071370-001

Material: Corn

Description:

Standardized ileal digestible amino acid content (Pig)

Parameter	Content (% as is)	Content (%)*
Methionine	0.133	0.134
Cystine	0.131	0.133
Methionine + Cystine **	0.268	0.271
Lysine	0.184	0.185
Threonine	0.196	0.198
Tryptophan	0.044	0.044
Arginine	0.324	0.327
Isoleucine	0.196	0.198
Leucine	0.657	0.664
Valine	0.275	0.277
Histidine	0.172	0.174
Phenylalanine	0.269	0.272

* DMS: Figures standardized to a dry matter content of 88%

** estimated with separate calibration equation



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Lab code: NW22-1071370-001

Material: Corn

Description:

Standardized ileal digestible amino acid content (Broiler)

Parameter	Content (% as is)	Content (%)*
Methionine	0.144	0.145
Cystine	0.141	0.143
Methionine + Cystine **	0.291	0.293
Lysine	0.218	0.22
Threonine	0.216	0.218
Tryptophan	0.05	0.051
Arginine	0.328	0.331
Isoleucine	0.222	0.224
Leucine	0.687	0.694
Valine	0.312	0.315
Histidine	0.19	0.192
Phenylalanine	0.285	0.288
Glycine	0.252	0.255
Serine	0.325	0.328
Proline	0.575	0.58
Alanine	0.454	0.458
Aspartic acid	0.425	0.429
Glutamic acid	1.154	1.165

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Lab code: NW22-1071370-001

Material: Corn

Description:

AMINONIR® Prox

Parameter	Content (% as is)	Content (%)*
Dry matter	87.16	
CP **	7.1	7.17
Ether Extract	4.2	4.2
Crude Fibre	1.8	1.8
Crude Ash	1.1	1.1
Starch	64.7	65.3
Acid Detergent Fibre (ADF)	2.7	2.7
Neutral Detergent Fibre (NDF)	9.7	9.8
Sugar	1.8	1.8
Phosphorus (mg/kg)	2092	2113
Phytic Phosphorus estim. (mg/kg)	1569	1585

* DMS: Figures standardized to a dry matter content of 88%, CP = Crude protein, calibration based on Dumas combustion method (CP factor 6.25)

** estimated with separate calibration equation

NIRS calibration equation: pgCORN00_125069_v8



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Lab Customer: Diavetsa, San Salvador, 3034

Lab code: NW22-1071370-001

Material: Corn

Description:

AMINONIR® NRG

Parameter	Content (as is)	Content *
Gross Energy (GE) [MJ/kg]	16.335	16.493
Gross Energy (GE_KCAL) [kcal/kg]	3902	3939
Digestible Energy Growing Pigs (DE_GP) [MJ/kg]	14.564	14.705
Digestible Energy Growing Pigs (DE_GP_KCAL) [kcal/kg]	3479	3512
Digestible Energy Sows (DE_S) [MJ/kg]	15.147	15.293
Digestible Energy Sows (DE_S_KCAL) [kcal/kg]	3618	3653
Metabolisable Energy Growing Pigs (ME_GP) [MJ/kg]	14.215	14.352
Metabolisable Energy Growing Pigs (ME_GP_KCAL) [kcal/kg]	3395	3428
Metabolisable Energy Sows (ME_S) [MJ/kg]	14.707	14.85
Metabolisable Energy Sows (ME_S_KCAL) [kcal/kg]	3513	3547
Net Energy Growing Pigs (NE_GP) [MJ/kg]	11.418	11.528
Net Energy Growing Pigs (NE_GP_KCAL) [kcal/kg]	2727	2753
Net Energy Sows (NE_S) [MJ/kg]	11.837	11.951
Net Energy Sows (NE_S_KCAL) [kcal/kg]	2827	2854
Apparent Metabolisable Energy (AME _n) [MJ/kg]	13.947	14.082
Apparent Metabolisable Energy (AME _n _KCAL) [kcal/kg]	3331	3363

* DMS: Figures standardized to a dry matter content of 88%



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