

CLIENT NAME: Client 1	REPORT DATE: July 19, 2025
ORGANIZATION: Demo Organization	SAMPLE STORAGE: Ambient Temperature
ADDRESS: 123 Lab Street	CONDITION OF SAMPLE: Tested As Received
EMAIL: lsnevisaac@gmail.com	LAB CONTACT: 07015568976
PHONE NO: 08012345678	ENVIRONMENTAL DATA: Ambient 25°C 50%RH
SAMPLE RECEIVED: 19th July 2025	CLIENT ID: JGLSP2501
SAMPLE WEIGHT: 182.37 g – 467.30 g	

Please Note: Sample not requested for after three weeks of completion of analysis will be assumed not needed and will be discarded.

CERTIFICATE OF ANALYSIS

Parameter	Method	SMP1001	SMP1002	SMP1003	SMP1004	SMP1005	SMP1006	SMP1007	SMP1008
Ash (%)	Furnace (AOAC 942.05, 2000)	11.18	13.83	10.79	19.31	19.64	16.39	10.64	7.85
CHO (%)	AOAC by difference	58.88	50.30	51.40	37.91	35.27	30.29	55.24	44.20
Crude Fat (%)	Soxhlet Extraction (AOAC 920.39)	4.66	4.71	2.10	5.29	18.70	19.93	8.63	6.93
Crude Fibre (%)	AOAC 978.10, 2000	17.82	1.54	18.51	11.90	14.27	3.32	8.57	7.78
ME (kcal/kg)	Calculated using Atwater factors	3014.60	3169.10	2755.40	2725.30	3431.00	3616.10	3187.90	3080.90
Moisture (%)	Oven (AOAC 930.15 2000)	1.46	11.29	4.44	7.27	3.69	14.80	11.88	16.01
Protein (%)	Kjeldahl (AOAC 942.05 2000)	6.00	18.33	12.76	18.32	8.43	15.27	5.04	17.23

Parameter	Method	SMP1009	SMP1010	SMP1011	SMP1012	SMP1013	SMP1014	SMP1015	SMP1016
Ash (%)	Furnace (AOAC 942.05, 2000)	13.61	10.11	16.74	17.43	3.14	14.02	3.90	18.61
CHO (%)	AOAC by difference	60.51	39.10	30.88	51.64	64.33	55.67	41.66	54.03
Crude Fat (%)	Soxhlet Extraction (AOAC 920.39)	16.84	13.54	14.41	2.03	17.49	15.28	15.05	6.61
Crude Fibre (%)	AOAC 978.10, 2000	2.21	13.17	8.87	13.75	7.33	9.55	8.62	8.34
ME (kcal/kg)	Calculated using Atwater factors	4100.80	3074.60	3145.70	2687.90	4238.50	3771.60	3783.70	2953.70
Moisture (%)	Oven (AOAC 930.15 2000)	2.71	16.78	13.76	4.16	5.43	1.24	11.70	7.47
Protein (%)	Kjeldahl (AOAC 942.05 2000)	4.12	7.30	15.34	10.99	2.28	4.24	19.07	4.94

Parameter	Method	SMP1017	SMP1018	SMP1019	SMP1020
Ash (%)	Furnace (AOAC 942.05, 2000)	18.67	3.54	17.45	14.61
CHO (%)	AOAC by difference	48.76	38.00	35.95	35.86
Crude Fat (%)	Soxhlet Extraction (AOAC 920.39)	4.97	16.07	3.67	12.79
Crude Fibre (%)	AOAC 978.10, 2000	9.94	14.98	13.38	13.76
ME (kcal/kg)	Calculated using Atwater factors	2632.90	3326.70	2245.10	3203.50
Moisture (%)	Oven (AOAC 930.15 2000)	11.78	18.40	17.63	7.53
Protein (%)	Kjeldahl (AOAC 942.05 2000)	5.88	9.01	11.92	15.45

Summary interpretation:

Analysis of feed samples reveals concerning variability in nutritional quality and safety parameters. Several samples exhibit elevated moisture levels, posing a significant risk of mold growth and spoilage, which contravenes safe storage guidelines. Protein content widely ranges, with some samples critically low, indicating inadequate nutritional value for typical livestock requirements. Broad variations in ash, crude fibre, fat, and metabolizable energy further highlight inconsistency, potentially impacting animal performance, feed suitability for intended use, and overall product integrity.

JaaGee Application, Training & Research Laboratory engages in nutritional analysis, microbial, and various chemical analysis to improve the quality and healthiness of foods and feeds.

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