

**DIAMOND V
QA LAB
2575 60TH AVE SW
CEDAR RAPIDS IA 52407-4570**

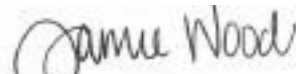
REPORT OF ANALYSIS

For: (1144) DIAMOND V
TruEquine Ultra
DVMP50657

Analysis	Level Found		Reporting			Analyst- Date	Verified- Date
	As Received	Units	Limit	Method			
Sample ID: N170822	Lab Number: 13882899	Date Sampled: 2022-08-17					
Moisture (vacuum oven - 70°C)	4.01	%	0.01	AOAC 969.35		bjp7-2022/08/22	cmw4-2022/08/23
Protein (crude)	22.1	%	0.20	AOAC 990.03		mdh0-2022/08/22	cmw4-2022/08/23
Fat (acid hydrolysis)	4.0	%	0.1	AOAC 954.02 (mod)		bvm9-2022/08/23	cmw4-2022/08/23
Fiber (crude)	12.1	%	0.20	AOCS Ba 6a-05		Trh9-2022/08/23	cmw4-2022/08/23
Ash	11.3	%	0.1	AOAC 942.05		Trh9-2022/08/23	cmw4-2022/08/23
Nitrogen Free Extract	46.5	%	0.1	Calculation		Auto-2022/08/23	Auto-2022/08/23

All results are reported on an AS RECEIVED basis.

For questions please contact:


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Account Manager
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The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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Detailed Method Description(s)

Vacuum Moisture

Analysis follows FO 02 or FD 018, both of which are based on AOAC 969.35. Samples are placed in aluminum tins and dried in a 60C or 70C vacuum oven (20-25 mm Hg) for 4 or 18 hours, with or without digest pure quartz sand. Loss in mass is reported as moisture.

Protein (Crude)

Analysis follows MWL FD 070 which is based on AOAC 990.03. The sample is placed in a combustion instrument and the amount of nitrogen is obtained. The nitrogen value is multiplied by a factor of 6.25 and that value reported as crude protein.

Acid Hydrolysis Fat

Analysis follows FD 027 which is based on AOAC 954.02. A sample is treated with ethanol and hydrochloric acid to help release fat in the sample. Separate treatments of ethyl ether and petroleum ether is used to extract the fat and the ethers collected in a pre-weighed beaker. The ether is evaporated and dried at 70 degrees C to remove remaining ether and moisture and the material remaining in the beaker is reported as "fat".

Crude Fiber

Analysis follows MWL FD 039 which is based on AOCS Ba 6a-05. A small amount of sample is weighed and placed in a membrane bag and sealed. The bag and sample are placed in a container that treats the sample with a variety of chemicals to dissolve materials which leach out of the bag. After repeated washing and rinsing, the bag is dried and reweighed. The material remaining in the bag is reported as crude fiber

Ash

Analysis follows MWL FD 019 which is based on AOAC 942.05. The sample is weighed and placed in a muffle furnace at 600°C. After a period of time, the sample is removed and the remaining material weighed and reported as ash. Moisture and organic material is driven off.

Calculation

Analytical results are entered into applicable formulas to provide a calculated result which is reported.

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