

Eurofins DQCI Horsham

702 Electronic Drive
 Horsham, PA 19044
 +215 355 3900
 DQCIEastInterco@eurofinsus.com

Keystone Vet Hospital

Client Code: TF0001464

Michael Tierney
 428 Brownsburg Road
 Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-004901-01

Received On: 07Apr2020
Reported On: 23Apr2020

Eurofins Sample Code:	153-2020-04070074	Sample Registration Date:	07Apr2020
Client Sample Code:	4-1-2020	Condition Upon Receipt:	acceptable, non-perishable
Sample Description:	True Life Dog Food	Sample Reference:	

QD250 - Ash	Reference AOAC 942.05	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
--------------------	---------------------------------	--	-------------------------------	-----------------

Parameter	Result
Ash	14.96 %

QD252 - Protein - Combustion	Reference AOAC 990.03; AOAC 992.15	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
-------------------------------------	--	--	-------------------------------	-----------------

Parameter	Result
Protein	45.31 %
Nitrogen - Combustion	7.25 %
Protein Factor	6.25

QD148 - Moisture by Vacuum Oven	Reference AOAC 925.09	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
--	---------------------------------	--	-------------------------------	-----------------

Parameter	Result
Moisture and Volatiles - Vacuum Oven	4.4 %

QD179 - Potassium by ICP	Reference AOAC 984.27 mod,927.02 mod,985.01 mod,965.17 mod	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
---------------------------------	---	--	-------------------------------	-----------------

Parameter	Result
Potassium	0.751 %

QQ176 - Amino Acids by AH (AOAC, Most Matrices)	Reference AOAC 982.30 mod.	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
--	--------------------------------------	--	-------------------------------	-----------------

Parameter	Result
------------------	---------------

Michael Tierney
428 Brownsburg Road
Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-004901-01

Received On: 07Apr2020
Reported On: 23Apr2020

Eurofins Sample Code:	153-2020-04070074	Sample Registration Date:	07Apr2020
Client Sample Code:	4-1-2020	Condition Upon Receipt:	acceptable, non-perishable
Sample Description:	True Life Dog Food	Sample Reference:	
QQ176 - Amino Acids by AH (AOAC, Most Matrices)	Reference AOAC 982.30 mod.	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020 Sub 1

Parameter	Result
Alanine	2.57 %
Arginine	1.62 %
Aspartic Acid	4.86 %
Glutamic Acid	7.76 %
Glycine	1.58 %
Histidine	0.93 %
Isoleucine	2.61 %
Leucine	4.57 %
Phenylalanine	1.61 %
Proline	2.82 %
Serine	2.33 %
Threonine	2.95 %
Total Lysine	3.99 %
Tyrosine	1.29 %
Valine	2.74 %

QA00P - Calcium NLEA	Reference AOAC 2011.14	Completed 23Apr2020	Sub 2
-----------------------------	----------------------------------	-------------------------------	-----------------

Parameter	Result
Calcium (Ca)	3,110 mg/100 g

QD398 - Calories, Calculated per AAFCO	Reference No Reference	Completed 15Apr2020	Sub 1
---	----------------------------------	-------------------------------	-----------------

Parameter	Result
Calories Calculated- Petfood	3,173 kcal/kg

QD059 - Fat by Acid Hydrolysis	Reference AOAC 954.02	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
---------------------------------------	---------------------------------	--	-------------------------------	-----------------

Parameter	Result
Crude Fat By Acid Hydrolysis	7.85 %

QD323 - Fiber, Crude	Reference AOAC 962.09; AOCS Ba 6-84	Accreditation ISO/IEC 17025:2017 A2LA 2927.01	Completed 15Apr2020	Sub 1
-----------------------------	---	--	-------------------------------	-----------------

Michael Tierney
 428 Brownsburg Road
 Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-004901-01

Received On: 07Apr2020

Reported On: 23Apr2020

Eurofins Sample Code:	153-2020-04070074	Sample Registration Date:	07Apr2020
Client Sample Code:	4-1-2020	Condition Upon Receipt:	acceptable, non-perishable
Sample Description:	True Life Dog Food	Sample Reference:	

QD323 - Fiber, Crude	Reference	Accreditation	Completed	Sub
	AOAC 962.09; AOCS Ba 6-84	ISO/IEC 17025:2017 A2LA 2927.01	15Apr2020	1

Parameter	Result
Crude Fiber	1.2 %

QA156 - Fatty Acid Profile	Reference	Completed	Sub
	AOAC 996.06	23Apr2020	2

Parameter	Result
C 6:0 (Caproic acid)	<0.020 g/100 g
C 8:0 (Caprylic acid)	<0.020 g/100 g
C 10:0 (Capric acid)	<0.020 g/100 g
C 12:0 (Lauric acid)	0.052 g/100 g
C 14:0 (Myristic acid)	0.283 g/100 g
C 14:1 (Myristoleic acid)	0.023 g/100 g
C 15:0 (Pentadecanoic acid)	0.021 g/100 g
C 15:1 (Pentadecenoic acid)	<0.020 g/100 g
C 16:0 (Palmitic acid)	1.371 g/100 g
C 16:1 (Palmitoleic acid)	0.122 g/100 g
C 17:0 (Margaric acid)	0.036 g/100 g
C 17:1 (Heptadecenoic acid)	<0.020 g/100 g
C 18:0 (Stearic acid)	0.718 g/100 g
C 18:1 (Oleic acid)	1.730 g/100 g
C 18:1n7 (Vaccenic acid)	0.076 g/100 g
C 18:2n6 (Linoleic acid)	0.638 g/100 g
C 18:3n3 (alpha-Linolenic Acid)	0.043 g/100 g
C 18:3n6 (gamma-Linolenic Acid)	<0.020 g/100 g
C 20:0 (Arachidic acid)	<0.020 g/100 g
C 20:1 (Eicosenoic acid)	<0.020 g/100 g
C 20:2n6 (Eicosodienoic acid)	<0.020 g/100 g
C 20:3n3 (Eicosatrienoic acid)	<0.020 g/100 g
C 20:3n6 (homo-gamma-Linolenic acid)	<0.020 g/100 g
C 20:4n6 (Arachidonic Acid)	0.033 g/100 g
C 20:5n3 (Eicosapentaenoic acid)	<0.020 g/100 g
C 21:0 (Heneicosanoic acid)	<0.020 g/100 g
C 22:0 (Behenic acid)	0.021 g/100 g
C 22:1n9 (Erucic acid)	<0.020 g/100 g
C 22:2n6 (Docosadienoic acid)	<0.020 g/100 g
C 22:6n3 (Docosahexaenoic acid)	<0.020 g/100 g

Michael Tierney
428 Brownsburg Road
Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-004901-01

Received On: 07Apr2020

Reported On: 23Apr2020

Eurofins Sample Code:	153-2020-04070074	Sample Registration Date:	07Apr2020
Client Sample Code:	4-1-2020	Condition Upon Receipt:	acceptable, non-perishable
Sample Description:	True Life Dog Food	Sample Reference:	

QA156 - Fatty Acid Profile	Reference	Completed	Sub
	AOAC 996.06	23Apr2020	2

Parameter	Result
C 22-5n3 (Docosapentaenoic acid)	<0.020 g/100 g
C 22-5n6 (Docosapentaenoic acid)	<0.020 g/100 g
C 23:0 (Tricosanoic acid)	<0.020 g/100 g
C 24:0 (Lignoceric acid)	0.024 g/100 g
C 24:1 (Nervonic acid)	<0.020 g/100 g
Omega-3 fatty acids	0.070 g/100 g
Omega-6 fatty acids	0.695 g/100 g
Monounsaturated Fat	1.990 g/100 g
Polyunsaturated Fat	0.765 g/100 g
Saturated Fat	2.585 g/100 g
Total Fat	5.43 g/100 g

QD163 - NFE, Calculated	Reference	Completed	Sub
	Feeds and Nutrition 1990 pp. 559	15Apr2020	1

Parameter	Result
NFE, Calculated	26.28 %

QD175 - Phosphorus- Low Level (<7%)	Reference	Accreditation	Completed	Sub
	AOAC 984.27 mod,927.02 mod,985.01 mod,965.17 mod	ISO/IEC 17025:2017 A2LA 2927.01	15Apr2020	1

Parameter	Result
Phosphorus	2.98 %

QD0EK - Vitamin D (LC-MS/MS)	Reference	Accreditation	Completed	Sub
	Huang et al., Rapid Commun. Mass Spectrum 2014, 28	ISO/IEC 17025:2017 A2LA 2927.01	15Apr2020	1

Parameter	Result
Total Vitamin D2 and D3	51.2 IU/100 g
Vitamin D2	<4.00 IU/100 g
Vitamin D3	51.2 IU/100 g

Subcontracting partners:

- 1 - Eurofins Scientific Inc. (Des Moines), IA
- 2 - Eurofins Central Analytical Laboratories, LA

Keystone Vet Hospital

Client Code: TF0001464

Michael Tierney
428 Brownsburg Road
Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-004901-01

Received On: 07Apr2020
Reported On: 23Apr2020

Respectfully Submitted,



Robert Kurz
Chemistry Supervisor

Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. | All results are reported on an "As Received" basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. | All work done in accordance with Eurofins General Terms and Conditions of Sale : www.eurofinsus.com/terms_and_conditions.pdf | √ Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details

Eurofins Scientific Inc. (Des Moines)

2200 Rittenhouse Street Suite 150
 Des Moines, IA 50321
 +1 515 265 1461
 ENACClientServices@EurofinsUS.com

EUUSHO - 4-A81 - Eurofins DQCI-East -
 Horsham

Client Code: QD0006439
PO Number: EUUSHO00000587

DQCI East Interco
 702 Electronic Drive
 Horsham, PA 19044

ANALYTICAL REPORT

AR-20-QD-043072-01

Received On: 03Mar2020

Reported On: 10Mar2020

Eurofins Sample Code:	464-2020-03030246	Sample Registration Date:	03Mar2020
Client Sample Code:	153-2020-03020047	Condition Upon Receipt:	acceptable, non-perishable
Sample Description:	Hamburger - Keystone Vet Hospital	Sample Reference:	

QD252 - Protein - Combustion	Reference AOAC 990.03; AOAC 992.15	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 05Mar2020
-------------------------------------	--	--	--

Parameter	Result
Protein	18.13 %
Nitrogen - Combustion	2.90 %
Protein Factor	6.25

QD323 - Fiber, Crude	Reference AOAC 962.09; AOCS Ba 6-84	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 04Mar2020
-----------------------------	--	--	--

Parameter	Result
Crude Fiber	0.6 %

QD250 - Ash	Reference AOAC 942.05	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 04Mar2020
--------------------	---------------------------------	--	--

Parameter	Result
Ash	0.76 %

QD398 - Calories, Calculated per AAFCO	Reference No Reference	Analysis Completed 10Mar2020
---	----------------------------------	--

Parameter	Result
Calories Calculated- Petfood	2,427 kcal/kg

QD163 - NFE, Calculated	Reference Feeds and Nutrition 1990 pp. 559	Analysis Completed 10Mar2020
--------------------------------	---	--

Parameter	Result
-----------	--------

EUUSHO - 4-A81 - Eurofins DQCI-East -
Horsham

Client Code: QD0006439
PO Number: EUUSHO00000587

DQCI East Interco
702 Electronic Drive
Horsham, PA 19044

ANALYTICAL REPORT

AR-20-QD-043072-01

Received On: 03Mar2020
Reported On: 10Mar2020

Eurofins Sample Code:	464-2020-03030246	Sample Registration Date:	03Mar2020
Client Sample Code:	153-2020-03020047	Condition Upon Receipt:	acceptable, non-perishable
Sample Description:	Hamburger - Keystone Vet Hospital	Sample Reference:	

QD163 - NFE, Calculated	Reference	Analysis Completed
	Feeds and Nutrition 1990 pp. 559	10Mar2020

Parameter	Result
NFE, Calculated	<0.5 %

QD148 - Moisture by Vacuum Oven	Reference	Accreditation	Analysis Completed
	AOAC 925.09	A2LA ISO/IEC 17025:2005 2927.01	09Mar2020

Parameter	Result
Moisture and Volatiles - Vacuum Oven	61.4 %

QD059 - Fat by Acid Hydrolysis	Reference	Accreditation	Analysis Completed
	AOAC 954.02	A2LA ISO/IEC 17025:2005 2927.01	09Mar2020

Parameter	Result
Crude Fat By Acid Hydrolysis	21.09 %

Respectfully Submitted,



David Gross
Support Services Manager



Results shown in this report relate solely to the item submitted for analysis. | Any opinions/interpretations expressed on this report are given independent of the laboratory's scope of accreditation. | All results are reported on an "As Received" basis unless otherwise stated. | Reports shall not be reproduced except in full without written permission of Eurofins Scientific, Inc. | All work done in accordance with Eurofins General Terms and Conditions of Sale: www.eurofinsus.com/terms_and_conditions.pdf | √ Indicates a subcontract test to a different lab. Lab(s) are listed at end of the report. For further details

Eurofins DQCI Horsham

702 Electronic Drive
 Horsham, PA 19044
 +215 355 3900
 DQCIEastInterco@eurofinsus.com

Keystone Vet Hospital

Client Code: TF0001464

Michael Tierney
 428 Brownsburg Road
 Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-003375-01

Received On: 02Mar2020

Reported On: 12Mar2020

Eurofins Sample Code:	153-2020-03020047	Sample Registration Date:	02Mar2020	
Client Sample Code:	3/1/20	Condition Upon Receipt:	acceptable, 3.1°C	
Sample Description:	Hamburger	Sample Reference:		
Sampling Date	3/2/20 10:00			
Sampled By	M. Tierney			
QD250 - Ash	Reference AOAC 942.05	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 12Mar2020	Sub √
Ash	0.76 %			
QD252 - Protein - Combustion	Reference AOAC 990.03; AOAC 992.15	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 12Mar2020	Sub √
Protein	18.13 %			
Nitrogen - Combustion	2.90 %			
Protein Factor	6.25			
QD148 - Moisture by Vacuum Oven	Reference AOAC 925.09	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 12Mar2020	Sub √
Moisture and Volatiles - Vacuum Oven	61.4 %			
QD398 - Calories, Calculated per AAFCO	Reference No Reference		Analysis Completed 12Mar2020	Sub √
Calories Calculated- Petfood	2,427 kcal/kg			
QD059 - Fat by Acid Hydrolysis	Reference AOAC 954.02	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 12Mar2020	Sub √
Crude Fat By Acid Hydrolysis	21.09 %			
QD323 - Fiber, Crude	Reference AOAC 962.09; AOCS Ba 6-84	Accreditation A2LA ISO/IEC 17025:2005 2927.01	Analysis Completed 12Mar2020	Sub √

Michael Tierney
428 Brownsburg Road
Newtown, PA 18940

ANALYTICAL REPORT

AR-20-TF-003375-01

Received On: 02Mar2020
Reported On: 12Mar2020

Eurofins Sample Code:	153-2020-03020047	Sample Registration Date:	02Mar2020	
Client Sample Code:	3/1/20	Condition Upon Receipt:	acceptable, 3.1°C	
Sample Description:	Hamburger	Sample Reference:		
Sampling Date	3/2/20 10:00			
Sampled By	M. Tierney			
QD323 - Fiber, Crude	Reference	Accreditation	Analysis Completed	Sub
	AOAC 962.09; AOCS Ba	A2LA ISO/IEC	12Mar2020	√
	6-84	17025:2005 2927.01		
Crude Fiber	0.6 %			
QD163 - NFE, Calculated	Reference		Analysis Completed	Sub
	Feeds and Nutrition 1990 pp.		12Mar2020	√
	559			
NFE, Calculated	<0.5 %			
Eurofins Sample Code:	153-2020-03020048	Sample Registration Date:	02Mar2020	
Client Sample Code:	3/1/20	Condition Upon Receipt:	acceptable, 3.1°C	
Sample Description:	True Life Dog Food	Sample Reference:	#1	
Sampling Date	3/2/20 10:00			
Sampled By	M. Tierney			
QD250 - Ash	Reference	Accreditation	Analysis Completed	Sub
	AOAC 942.05	A2LA ISO/IEC	12Mar2020	√
		17025:2005 2927.01		
Ash	14.26 %			
QD252 - Protein - Combustion	Reference	Accreditation	Analysis Completed	Sub
	AOAC 990.03; AOAC 992.15	A2LA ISO/IEC	12Mar2020	√
		17025:2005 2927.01		
Protein	47.31 %			
Nitrogen - Combustion	7.57 %			
Protein Factor	6.25			
QD148 - Moisture by Vacuum Oven	Reference	Accreditation	Analysis Completed	Sub
	AOAC 925.09	A2LA ISO/IEC	12Mar2020	√
		17025:2005 2927.01		
Moisture and Volatiles - Vacuum Oven	4.5 %			
QQ176 - Amino Acids by AH (AOAC, Most Matrices)	Reference	Accreditation	Analysis Completed	Sub
	AOAC 982.30 mod.	A2LA ISO/IEC	12Mar2020	√
		17025:2005 2927.01		
Alanine	2.72 %			
Arginine	1.67 %			
Aspartic Acid	5.07 %			
Glutamic Acid	8.02 %			
Glycine	1.65 %			