

COVANCE3301 Kinsman Boulevard
Madison, WI 53704**Certificate of Analysis****Martek Biosciences Corp.**6480 Dobbin Road
Columbia Maryland 21045 United States

Report Number: 319053-0

Report Date: 17-Dec-2010

Report Status: Final

Supersedes : 318034-0



Testing Cert #2918.01

Sample Name:	DHB	Covance Sample:	644556
Project ID	MARTEK-20101209-0013	Receipt Date	09-Dec-2010
PO Number	913844	Receipt Condition	Ambient temperature
Description	08-6530 100 g	Login Date	09-Dec-2010
		Storage Condition	Ambient temperature
		Disposal Instruction	Dispose 30 days after final reported

Analysis/Result	Result
Protein (N x 6.25) Kjeldahl method	
Protein	<0.10 g/100g
Nitrogen	<0.020 g/100g

Method References	Testing Location
--------------------------	-------------------------

Ash (ASHM_S:5)	Covance Laboratories Inc.
-----------------------	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Calories (CALC:4)	Covance Laboratories Inc.
--------------------------	----------------------------------

United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).

Calories from Fat (CFAT:3)	Covance Laboratories Inc.
-----------------------------------	----------------------------------

United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).

Carbohydrates (CHO:5)	Covance Laboratories Inc.
------------------------------	----------------------------------

United States Department of Agriculture, "Energy Value of Foods", Agriculture Handbook No. 74, pp. 2-11, (1973).

Fat by Acid Hydrolysis - Retest (FAAH_S:6)	Covance Laboratories Inc.
---	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Fat by Acid Hydrolysis (FAAH_S:6)	Covance Laboratories Inc.
--	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Moisture (M100T100_S:4)	Covance Laboratories Inc.
--------------------------------	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 925.09 and 926.08, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified).

COVANCE.

3301 Kinsman Boulevard
Madison, WI 53704

Certificate of Analysis

Report Number: 319053-0

Report Date: 17-Dec-2010

Report Status: Final

Supersedes: 318034-0



Testing Cert #2918.01

Martek Biosciences Corp.
6480 Dobbin Road
Columbia Maryland 21045 United States

Method References

Testing Location

Protein (N x 6.25) Kjeldahl method (PGEN_S:4)

Covance Laboratories Inc.

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 955.04
and 979.09, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Testing Location(s)

Covance Laboratories Inc.

3301 Kinsman Blvd
Madison WI 53704

Released on Behalf of Covance by

Associate Director

For questions on this report, please
contact your Client Service Representative
at 608-242-2712 x4170

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.

COVANCE3301 Kinsman Boulevard
Madison, WI 53704**Certificate of Analysis**

Report Number: 318041-0

Report Date: 15-Dec-2010

Report Status: Final

Martek Biosciences Corp.6480 Dobbin Road
Columbia Maryland 21045 United States

Testing Cert #2918.01

Sample Name:	DHB	Covance Sample:	644557
Project ID	MARTEK-20101209-0013	Receipt Date	09-Dec-2010
PO Number	913844	Receipt Condition	Ambient temperature
Description	08-6586 100 g	Login Date	09-Dec-2010
		Storage Condition	Ambient temperature
		Disposal Instruction	Dispose 30 days after final reported

Analysis/Result	Result
Protein (N x 6.25) Kjeldahl method	
Protein	<0.10 g/100g
Nitrogen	<0.020 g/100g

Method References	Testing Location
--------------------------	-------------------------

Ash (ASHM_S:5)	Covance Laboratories Inc.
-----------------------	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Calories (CALC:4)	Covance Laboratories Inc.
--------------------------	----------------------------------

United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).

Calories from Fat (CFAT:3)	Covance Laboratories Inc.
-----------------------------------	----------------------------------

United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).

Carbohydrates (CHO:5)	Covance Laboratories Inc.
------------------------------	----------------------------------

United States Department of Agriculture, "Energy Value of Foods", Agriculture Handbook No. 74, pp. 2-11, (1973).

Fat by Acid Hydrolysis (FAAH_S:6)	Covance Laboratories Inc.
--	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Moisture (M100T100_S:4)	Covance Laboratories Inc.
--------------------------------	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 925.09 and 926.08, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified).

Protein (N x 6.25) Kjeldahl method (PGEN_S:4)	Covance Laboratories Inc.
--	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 955.04 and 979.09, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

COVANCE.

3301 Kinsman Boulevard
Madison, WI 53704

Certificate of Analysis

Report Number: 318041-0

Report Date: 15-Dec-2010

Report Status: Final

Martek Biosciences Corp.

6480 Dobbin Road
Columbia Maryland 21045 United States



Testing Cert #2918.01

Testing Location(s)

Covance Laboratories Inc.

3301 Kinsman Blvd
Madison WI 53704

Released on Behalf of Covance by

Associate Director

For questions on this report, please
contact your Client Service Representative
at 608-242-2712 x4170

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.

COVANCE3301 Kinsman Boulevard
Madison, WI 53704**Certificate of Analysis****Martek Biosciences Corp.**6480 Dobbin Road
Columbia Maryland 21045 United States

Report Number: 318042-0

Report Date: 15-Dec-2010

Report Status: Final



Testing Cert #2918.01

Sample Name:	DHB 08-6585 100 G	Covance Sample:	646779
Project ID	MARTEK-20101213-0014	Receipt Date	13-Dec-2010
PO Number	913844	Receipt Condition	Ambient temperature
		Login Date	13-Dec-2010
		Storage Condition	5 (+/- 3) degrees Celsius
		Disposal Instruction	Dispose 30 days after final reported

Analysis/Result	Result
Protein (N x 6.25) Kjeldahl method	
Protein	<0.10 g/100g
Nitrogen	<0.020 g/100g

Method References	Testing Location
Ash (ASHM_S:5) Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)	Covance Laboratories Inc.
Calories (CALC:4) United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).	Covance Laboratories Inc.
Calories from Fat (CFAT:3) United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).	Covance Laboratories Inc.
Carbohydrates (CHO:5) United States Department of Agriculture, "Energy Value of Foods", Agriculture Handbook No. 74, pp. 2-11, (1973).	Covance Laboratories Inc.
Fat by Acid Hydrolysis (FAAH_S:6) Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)	Covance Laboratories Inc.
Moisture (M100T100_S:4) Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 925.09 and 926.08, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified).	Covance Laboratories Inc.
Protein (N x 6.25) Kjeldahl method (PGEN_S:4) Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 955.04 and 979.09, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)	Covance Laboratories Inc.

COVANCE

3301 Kinsman Boulevard
Madison, WI 53704

Report Number: 318042-0

Report Date: 15-Dec-2010

Report Status: Final

Certificate of Analysis

Martek Biosciences Corp.

6480 Dobbin Road
Columbia Maryland 21045 United States



Testing Cert #2018.01

Testing Location(s)

Covance Laboratories Inc.

3301 Kinsman Blvd
Madison WI 53704

Released on Behalf of Covance by


Associate Director

For questions on this report, please
contact your Client Service Representative
at 608-242-2712 x4170

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.

COVANCE3301 Kinsman Boulevard
Madison, WI 53704**Certificate of Analysis****Martek Biosciences Corp.**6480 Dobbin Road
Columbia Maryland 21045 United States

Report Number: 319054-0

Report Date: 17-Dec-2010

Report Status: Final

Supersedes: 318035-0



Testing Cert #2918.01

Sample Name:	DHB	Covance Sample:	644558
Project ID	MARTEK-20101209-0013	Receipt Date	09-Dec-2010
PO Number	913844	Receipt Condition	Ambient temperature
Description	08-6592 100 g	Login Date	09-Dec-2010
		Storage Condition	Ambient temperature
		Disposal Instruction	Dispose 30 days after final reported

Analysis/Result	Result
Protein (N x 6.25) Kjeldahl method	
Protein	<0.10 g/100g
Nitrogen	<0.020 g/100g

Method References	Testing Location
--------------------------	-------------------------

Ash (ASHM_S:5)	Covance Laboratories Inc.
-----------------------	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 923.03, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Calories (CALC:4)	Covance Laboratories Inc.
--------------------------	----------------------------------

United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).

Calories from Fat (CFAT:3)	Covance Laboratories Inc.
-----------------------------------	----------------------------------

United States Department of Agriculture, "Composition of Foods" Agricultural Handbook, No. 8, pp. 159-160, (1975).

Carbohydrates (CHO:5)	Covance Laboratories Inc.
------------------------------	----------------------------------

United States Department of Agriculture, "Energy Value of Foods", Agriculture Handbook No. 74, pp. 2-11, (1973).

Fat by Acid Hydrolysis - Retest (FAAH_S:6)	Covance Laboratories Inc.
---	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Fat by Acid Hydrolysis (FAAH_S:6)	Covance Laboratories Inc.
--	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 922.06 and 954.02, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Moisture (M100T100_S:4)	Covance Laboratories Inc.
--------------------------------	----------------------------------

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 925.09 and 926.08, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified).

COVANCE.

3301 Kinsman Boulevard
Madison, WI 53704

Certificate of Analysis

Martek Biosciences Corp.

6480 Dobbin Road
Columbia Maryland 21045 United States

Report Number: 319054-0

Report Date: 17-Dec-2010

Report Status: Final

Supersedes : 318035-0



Testing Cert #2010.01

Method References

Testing Location

Protein (N x 6.25) Kjeldahl method (PGEN_S:4)

Covance Laboratories Inc.

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 955.04
and 979.09, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Testing Location(s)

Covance Laboratories Inc.

3301 Kinsman Blvd
Madison WI 53704

Released on Behalf of Covance by

Associate Director

For questions on this report, please
contact your Client Service Representative
at 608-242-2712 x4170

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.

COVANCE

THE DEVELOPMENT SERVICES COMPANY

3301 Kinsman Boulevard
Madison, WI 53704

Martek Biosciences Corp.

6480 Dobbin Road
Columbia Maryland 21045 United States

Certificate of Analysis

Final Report

Print Date: 02-Feb-2011 4:25 pm

Report Date: 02-Feb-2011

Report Number: 337732-0



Testing Cert #2918.01

Client Sample Name: DHN 08-6643, 35g		Covance Sample Number: 689100	
Project ID	MARTEK-20110127-0001	Receipt Date	26-Jan-2011
PO Number	913844	Receipt Condition	Ambient temperature
		Login Date	27-Jan-2011
		Storage Condition at Covance	5 (+/- 3) degrees Celsius
		Number Compositied	1
		Disposal Instructions	Dispose 30 days after final reported

Analysis/Result	Result
Protein (N x 6.25) Kjeldahl method	
Protein	<0.10 g/100g

Method References

Testing Location

Protein (N x 6.25) Kjeldahl method (PGEN_S:4)

Covance Laboratories Inc.

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 955.04
and 979.09, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Testing Location(s)

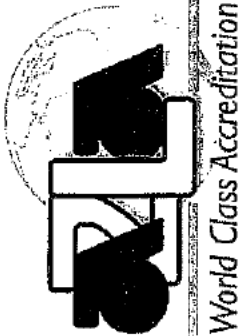
Covance Laboratories Inc.
3301 Kinsman Blvd
Madison WI 53704

Released on Behalf of Covance by


Laboratory Director

For questions on this report, please
contact your Client Service Representative
at 608-242-2712 x4170

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

COVANCE LABORATORIES INC.

Madison, WI

for technical competence in the field of

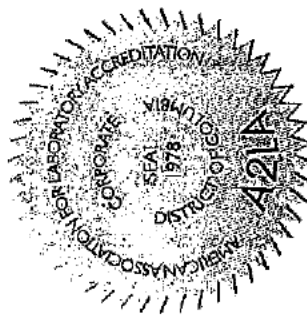
Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 28th day of August 2009.



President & CEO
For the Accreditation Council
Certificate Number 2918.01
Valid to October 31, 2011



For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.



World Class Accreditation

American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

COVANCE LABORATORIES INC.

3301 Kinsman Boulevard

Madison, WI 53704-2523

CHEMICAL

Valid to: October 31, 2011

Certificate Number: 2918.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the A2LA Food Testing Program Requirements, containing the "AOAC *International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food and Pharmaceuticals*"), accreditation is granted to this laboratory to perform the following tests on food and dietary supplements:

Test and Technology:

Test Methods:

Moisture, Vacuum Oven

AOAC: 925.09, 926.08, 934.06, 925.45

Moisture, Convection Oven

AOAC 950.46

Ash

AOAC 923.03

Protein, Combustion

AOAC: 968.06, 992.15

Protein, Kjeldahl

AOAC: 955.04, 979.09

Fiber, Soluble, Insoluble, and Total

AOAC: 991.43, 985.29

Sugar by HPLC

AOAC 982.14

Sugar by GC

Mason, B. S., and Stover, H. T., "A Gas Chromatographic Method for the Determination of Sugars in Foods," *Journal of Agriculture and Food Chemistry* 19(3):551-554 (1971);

Brobst, K. M., "Gas-Liquid Chromatography of Trimethylsilyl Derivatives, *Methods in Carbohydrate Chemistry*," 6:3-8, Academic Press, New York, NY (1972).

Calories and Calories from Fat

United States Department of Agriculture, "Composition of Foods," *Agriculture Handbook No. 8*, pp 159-160 (1975)

Carbohydrates

United States Department of Agriculture, "Energy Value of Foods," *Agriculture Handbook No. 74*, pp 2-11 (1973)

(A2LA Cert. No. 2918.01) 08/28/2009

5301 Buckeystown Pike, Suite 350 | Frederick, Maryland 21704-8373 | Phone: 301 644 324

Page 1 of 2

www.A2LA.org

<u>Test and Technology:</u>	<u>Test Methods:</u>
Vitamin A (Retinol) by HPLC	AOAC: 974.29, 992.04, 992.06
Carotenes (alpha, beta, lycopene)	AOAC 941.15; Vitamin A Carotenes, Quackenbush, F. W., Journal of Liquid Chromatography, 10:643-653 (1987)
Total Fat by Acid Hydrolysis	AOAC: 922.06, 954.02
Fatty Acid Profile, Trans	AOAC 996.06; AOCS: Ce 1h-05 and Ce 2-66
Cholesterol	AOAC 994.10
Vitamin C by Fluorescence	AOAC 967.22
Vitamin C by HPLC	AOAC 967.22, Asami, D. K., Journal of Agriculture and Food Chemistry Vol. 51., p.1237-1241 (2003)
Ca, Cu, Fe, Mg, Mn, P, K, Na, Zn by ICP	AOAC: 984.27, 985.01
Organochlorinated Pesticides	Hopper, M.L. and Griffitt, K.R., "Evaluation of an Automatic Gel Permeation Cleanup and Evaporation System for Determining Pesticide Residues in Fatty Samples," Journal of the Association of Official Analytical Chemists, Vol. 70, No. 4, pp. 724-726 (1987)
	Pesticide Analytical Manual, Vol. 1: Multiresidue Methods, 3 rd ed., Chapter 3 Multiclass Multiresidue methods: 304 Method for Fatty Foods, Food and Drug Administration, Washington,
Pesticides: chlorinated, organophosphate, carbamates and organonitrogens	Hopper, M.L. and Griffitt, K.R., "Evaluation of an Automatic Gel Permeation Cleanup and Evaporation System for Determining Pesticide Residues in Fatty Samples," Journal of the Association of Official Analytical Chemists, Vol. 70, No. 4, pp. 724-726 (1987)
	Pesticide Analytical Manual, Vol. 1: Multiresidue Methods, 3 rd ed., Chapter 3 Multiclass Multiresidue Methods: 304 Method for Fatty Foods, Food and Drug Administration, Washington, D.C. (1999)
Folic Acid	AOAC: 992.05 (Low Level), 944.12 (High Level);
	Methods of Analysis for Infant Formulas, Infant Formula Council, Atlanta, GA, Section C-2. (1985)
Vitamin E	Covance Developed Method
Note: All methods modified	