

Biopharma Scientific, Incorporated

9010 Kenamar Drive
San Diego California 92121 United States

Certificate of Analysis
Final Report

Print Date: 05-Jan-2010 4:47 pm

Report Date: 05-Jan-2010

Report Number: 184557-0



Testing Cert #2918.01

Client Sample Name: NanoRed10		Covance Sample Number: 355049	
Project ID	BIOPHARMA-20091223-0018	Receipt Date	23-Dec-2009
PO Number	N/A	Receipt Condition	Ambient temperature
Lot Number	121809	Login Date	23-Dec-2009
Sample Serving Size	12.0 g	Storage Condition at Covance	-20 (+/- 10) Degrees Celsius
		Number Compositied	20
		Disposal Instructions	Dispose 30 days after final reported

Analysis/Result

Result

Fatty Acid Profile

Saturated Fatty Acids (Acid Form)	0.0095 g/Serving Size
Monounsaturated Fatty Acids (Acid Form)	0.0061 g/Serving Size
Polyunsaturated Fatty Acids (Acid Form)	0.0067 g/Serving Size
Trans Fatty Acids (Acid Form)	<0.0008 g/Serving Size
Total Fatty Acids	0.0234 g/Serving Size

Sugar Profile

Fructose	0.17 g/Serving Size
Glucose	0.86 g/Serving Size
Sucrose	0.12 g/Serving Size
Lactose	<0.01 g/Serving Size
Maltose	0.80 g/Serving Size
Galactose	<0.01 g/Serving Size
Total Sugar	1.96 g/Serving Size

Calories *

Calories	45.1 Cal/Serving size
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Calories from Fat

Calories	0.211 Cal/Serving size
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Cholesterol

Cholesterol	<0.12 mg/Serving Size
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Carbohydrates

Total Carbohydrates	11.1 g/Serving Size
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Total Dietary Fiber

Total Dietary Fiber	0.200 g/Serving Size
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Protein (N x 6.25) Dumas Method

Protein	0.11 g/Serving Size
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Vitamin A

Vitamin A	<12.0 IU/Serving size
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Vitamin C

Vitamin C	94.3 mg/Serving Size
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Elements by ICP Emission Spectrometry

Calcium	3.84 mg/Serving Size
Iron	0.197 mg/Serving Size

* This analysis is not ISO accredited.

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Elements by ICP Emission Spectrometry

Sodium	3.25 mg/Serving Size
Ash	
Ash	0.298 g/Serving Size
Moisture	
Moisture	0.44 g/Serving Size

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.

Cholesterol (CHOK_S:7)

Official Methods of Analysis of AOAC INTERNATIONAL 18th Ed., AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005), Official Method 994.10. (Modified)

Covance Laboratories Inc.

Elements by ICP Emission Spectrometry (ICP_S:11)

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 984.27 and 985.01, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Covance Laboratories Inc.

Fatty Acid Profile (FPT_S:16)

Official Methods of Analysis of AOAC INTERNATIONAL 18th Ed., AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005), Official Method 996.06 (Modified)

Covance Laboratories Inc.

Official Methods and Recommended Practices of the AOCS, Official methods Ce 1h-05 and Ce 2-66, The American Oil Chemists' Society, Champagn, IL, (2005) (Modified)

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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).

Protein (N x 6.25) Dumas Method (DGEN_S:5)

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 968.06 and 992.15, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Sugar Profile (SUGN_S:7)

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

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

Total Dietary Fiber (TDFP_S:14)

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Method 985.29, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified). (Prosky)

Vitamin A (VALC_S:8)

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., Methods 974.29, 992.04, AND 992.06, AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005). (Modified)

Vitamin C (VCLC_S:3)

Official Methods of Analysis of AOAC INTERNATIONAL, 18th Ed., AOAC INTERNATIONAL, Gaithersburg, MD, USA, (2005), Official Method 967.22. (Modified)

Asami, D.K., Journal of Agricultural and Food Chemistry. Vol. 51. p. 1237-1241 (2003).

Testing Location(s)

Covance Laboratories Inc.
3301 Kinsman Blvd
Madison WI 53704

Released on Behalf of Covance by

Doug Winters

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.