

Stability Study Report

Doc No.: SOP-QAC146 F02

Effective Date: Sep 18, 2018

Department: Product Development

Author: Product Development Manager

Revision: 3

1 of 2

Customer: Dr. Green Mom

Product Name: Natal K

Lot #: 2021-92055

Bulk Lot #:
2021-87679 (Initial)
2021-91970 (Rework)

Manufacture Date: July 28, 2021

Shelf-Life Date: 2 years

Container: Amber glass 30ml bottle

Closure: Dropper Eurodrop tamper evident cap

Storage Condition: Temperature typically 59-86 degrees F. Humidity is monitored.

Micro Testing *

Analytical Testing *

Organoleptic/Appearance

Specifications:

TPC <10,000 CFU/g
Yeast <1,000 CFU/g
Mold <1,000 CFU/g
Coliform <10 CFU/g
E. Coli ND in 10 g
Salmonella ND in 10g
Staph. ND in 10 g

Vitamin K1 ≥500 mcg/drop (15,000 mcg/ml)

Color: Clear to slight yellow
Appearance: Transparent liquid
Taste: Bland, oily
Odor: None

Methods:

AOAC

LC-MS

Organoleptic

Interval	Date	Interval Results	Interval Results	Interval Results
Initial	July 2021	Pass	Pass 15,400 mcg/ml	Pass
3 Months	October 2021	Pass	Pass 18,200 mcg/ml	Pass
6 Months	January 2022	Pass	Pass 20,500 mcg/ml	Pass
9 Months	April 2022	Pass	Pass 15,000 mcg/ml	Pass
12 Months	July 2022	Pass	Pass 16,700 mcg/ml	Pass
18 Months	January 2023	Pass	Pass 20,400 mcg/ml	Pass
24 Months	July 2023	Pass	Pass 16,600 mcg/ml	Pass

Stability Study Report

DocNo.:SOP-QAC146
F02

Effective Date: Sep 18,
2018

Department: Product Development

Author: Product Development
Manager

Revision: 3

2 of 2

30 Months	January 2024	Pass	Pass 18,211 mcg/ml	Pass
		Micro Testing *	Analytical Testing *	Organoleptic/Appearance
		<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

* Attach all Laboratory document test results to this form

Comments:

Conclusions:

Reviewed by: _____ Date: _____

Microbial Test Results

DOC NO.: QAC-000007-00

Effective Date: Jan 5, 2021

Department: QC Testing

Owner: QC Test Manager

Revision: 12

1 of 1

Dr Green Mom: Natal-K Formula
 Part# 0
 Lot# 2021-87679
 7/19/2021
 17

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Tested by: OS
 NCR Required: YES / NO
 NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms <small>AOAC 991.14</small>	<10	1:10	< 10	cfu/g	OS 07-20-21
Escherichia coli <small>AOAC 991.14 & AOAC 2017.01</small>	ND		ND		OS 07-22-21
Staphylococcus aureus <small>AOAC 2003.07</small>	ND	1:10	ND	cfu/g	OS 07-20-21
Total Plate Count <small>AOAC 980.12</small>	<10	1:10	< 10,000	cfu/g	OS 07-22-21
Yeast & Mold <small>AOAC 2014.05</small>	Yeast: style="text-align: center;"><10	1:10	< 1,000	cfu/g	OS 07-22-21
	Mold: style="text-align: center;"><10		< 1,000		
Salmonella <small>AOAC 2013.09 & USP <62></small> <small>Run ID 07202021(1) Sample ID 07192021(1)_17 Well ID A3</small>	ND	1:10	ND	cfu/g	OS 07-21-21
Enterobacteriaceae <small>AOAC 2013.09</small> N/A	—	—	—	—	—

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: [Signature] Date: 07/22/21

Certificate of Analysis

Sample Name: 2006449 Natal-K Formula	Eurofins Sample: 10768914
Project ID: VITALITYWO-20210714-0106	Receipt Date: 15-Jul-2021
PO Number: 2021-00-76226	Receipt Condition: Cold on Wet Ice or Ice Packs
Lot Number: 2021-87679	LogIn Date: 14-Jul-2021
Sample Serving Size: 1 mL	Date Started: 16-Jul-2021
	Sampled: Sample results apply as received
	Online Order: 2179-15B1BEB8

Analysis	Result
Determination of K Vitamins by LCMS *	
Vitamin K1	15400 mcg/Serving Size
Density by Gravimetric Analysis	
Density	0.951 g/mL

Method References	Testing Location
Density by Gravimetric Analysis (SPGP_S)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	
Determination of K Vitamins by LCMS (OC_VKMS_S)	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
Internally Developed Method	

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Brea	Robert Grahn - Manager
Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-675-8375	
Food Integrity Innovation-Madison	Edward Ladwig - President Eurofins Food Chemistry Testing Madison
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	



2918.01

* This analysis or component is not ISO accredited.

Certificate of Analysis

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 Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Microbial Test Results		Doc No.: SOP-QAC204-F05	
		Effective Date: Jan 5, 2021	
Department: QC Testing	Owner: QC Test Manager	Revision: 12	1 of 1

Dr Green Mom: Natal-K Formula
 Part# 2006449
 Lot# 2021-91970
 9/22/2021
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Tested by: ES
 NCR Required: YES NO
 NCR#: _____

Analyses	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<1,000	cfu/g	ES 09-23-21
Escherichia coli AOAC 991.14 & AOAC 2017.01	ND		ND		ES 09-24-21
Staphylococcus aureus AOAC 2008.07	ND	1:10	ND	cfu/g	ES 09-24-21
Total Plate Count AOAC 930.12	<10	1:10	<10,000	cfu/g	ES 09-24-21
Yeast & Mold AOAC 2014.05	Yeast: <10	1:10	<1,000	cfu/g	ES 09-24-21
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP <62> Run ID: 09242021(1) Sample ID: 09222021(1)_4 Vial ID: D1	ND	1:10	ND	cfu/g	ES 09-24-21
Enterobacteriaceae AOAC 2013.09					

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F05 for media lot numbers, expiration dates, and environmental and test controls.


QC Reviewed by: [Signature] Date: 09/27/21

Microbial Test Results		Doc No.: SOP-QAC204-F05	
		Effective Date: Jan 5, 2021	
Department: QC Testing	Owner: QC Test Manager	Revision: 12	1 of 1

1 oz Nata-K (Stability)
 Part# 3006355
 Lot# 2021-92055
 10/27/2021
 9

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Tested by: OS
 NCR Required: YES NO
 NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<10	cfu/g	OS 10-28-21
Escherichia coli AOAC 981.14 & AOAC 2017.01	ND		ND		OS 10-29-21
Staphylococcus aureus AOAC 2003.07	ND	1:10	ND	cfu/g	OS 10-28-21
Total Plate Count AOAC 990.12	<10	1:10	<10,000	cfu/g	OS 10-29-21
Yeast & Mold AOAC 2014.05	Yeast: <10	1:10	<1,000	cfu/g	OS 10-29-21
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP<62> Run ID 10282021(1) Sample ID 10272021(1)_9 Well ID A2	ND	1:10	ND	cfu/g	OS 10-28-21
Enterobacteriaceae AOAC 2013.09 					

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: [Signature] Date: 10/29/21

Certificate of Analysis

Sample Name:	3006355 Natal-K Formula	Eurofins Sample:	11093370
Project ID	VITALITYWO-20211027-0170	Receipt Date	28-Oct-2021
PO Number	2021-00-78685	Receipt Condition	Cold on Wet Ice or Ice Packs
Lot Number	2021-92056	Login Date	27-Oct-2021
Sample Serving Size	1 mL	Date Started	01-Nov-2021
		Sampled	Sample results apply as received
		Online Orat	2179-163C1FDC

Analysis	Result
Determination of K Vitamins by LCMS *	
Vitamin K1	18200 mcg/Serving Size
Density by Gravimetric Analysis	
Density	0.953 g/mL

Method References	Testing Location
Density by Gravimetric Analysis (SPGP_S)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	
Determination of K Vitamins by LCMS (OC_VKMS_S)	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
Internally Developed Method	

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Brea	Robert Grahn - Manager
Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-675-8375	
Food Integrity Innovation-Madison	Edward Ladwig - President Eurofins Food Chemistry Testing Madison
Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	



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Certificate of Analysis

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Microbial Test Results		Doc No.: SOP-QAC204-F05	
		Effective Date: Jan 5, 2021	
Department: QC Testing	Owner: QC Test Manager	Revision: 12	1 of 1

1 oz Natal-K (Stability)
 Part# 3006355
 Lot# 2021-92055
 1/5/2022
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Tested by: OS
 NCR Required: YES NO
 NCR#: _____

Analyses	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<10	cfu/g	OS 01-06-22
Escherichia coli AOAC 991.14 & AOAC 2017.01	ND		ND		OS 01-07-22
Staphylococcus aureus AOAC 2003.07	ND	1:10	ND	cfu/g	OS 01-06-22
Total Plate Count AOAC 990.12	<10	1:10	<10,000	cfu/g	OS 01-07-22
Yeast & Mold AOAC 2014.05	Yeast: <10	1:10	<1,000	cfu/g	OS 01-07-22
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP<62> Run ID 01072022(1) Sample ID 01052022(1)_10 Well ID B2	ND	1:10	ND	cfu/g	OS 01-07-22
Enterobacteriaceae AOAC 2013.09 N/A					

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: [Signature] Date: 01/11/22

Certificate of Analysis

Sample Name: 3006355 Dr Green Mom: Natal K (Stability)	Eurofins Sample: 11319880
Project ID: VITALITYWO-20220107-0003	Receipt Date: 08-Jan-2022
PO Number: 2022-00-80331	Receipt Condition: Ambient temperature
Lot Number: 2021-92055	Login Date: 07-Jan-2022
Sample Serving Size: 1 mL	Date Started: 13-Jan-2022
	Sampled: Sample results apply as received
	Online Order: 2179-169AFC9C

Analysis	Result
Determination of K Vitamins by LCMS	
Vitamin K1	20500 mcg/Serving Size
Density by Gravimetric Analysis	
Density	0.964 g/mL

Method References	Testing Location
Density by Gravimetric Analysis (SPGP_S)	Food Integrity Innovation-Brea
NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	2951 Saturn Street, Unit C Brea, CA 92821 USA
Determination of K Vitamins by LCMS (OC_VKMS_S)	Food Integrity Innovation-Brea
Internally Developed Method	2951 Saturn Street, Unit C Brea, CA 92821 USA

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Brea	Clint Throop - Manager
Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-675-8375	

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 Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Microbial Test Results		Doc No.: SOP-QAC204-F05	
		Effective Date: Jan 5, 2021	
		Revision: 12	1 of 1
		Owner: QC Test Manager	

1 oz Natal-K
 Part# 3006355
 Lot# 2021-92055
 4/13/2022
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Tested by: OS
 NCR Required: YES NO
 NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<10	cfu/g	OS 04-14-22
Escherichia coli AOAC 991.14 & AOAC 2017.01	ND		ND		MEM 4/15/22
Staphylococcus aureus AOAC 2003.07	ND	1:10	ND	cfu/g	OS 04-14-22
Total Plate Count AOAC 990.12	<10	1:10	<10,000	cfu/g	MEM 4/15/22
Yeast & Mold AOAC 2014.05	Yeast: 410	1:10	<1,000	cfu/g	MEM 4/15/22
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP<62> Run ID 04142022(2) Sample ID 04132022(2)_10 Well ID B2	ND	1:10	ND	cfu/g	OS 04-14-22
Enterobacteriaceae AOAC 2013.09	<input checked="" type="radio"/> N/A				

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: [Signature] Date: 04/19/22

Certificate of Analysis

Sample Name: 3006355 Dr Green Mom; Natal K (Stability)	Eurofins Sample: 11658146
Project ID: VITALITYWO-20220415-0051	Receipt Date: 18-Apr-2022
PO Number: 2022-00-82798	Receipt Condition: Ambient temperature
Lot Number: 2021-92055	Login Date: 15-Apr-2022
Sample Serving Size: 1 mL	Date Started: 18-Apr-2022
	Sampled: Sample results apply as received
	Online Order: 2179-171G2DF6

Analysis	Result
Determination of K Vitamins by LCMS Vitamin K1	15000 mcg/Serving Size
Density by Gravimetric Analysis	<i>Spec: 15,000 mcg/ml</i>
Density	0.938 g/mL

Method References	Testing Location
Density by Gravimetric Analysis (SPGP_S) NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
Determination of K Vitamins by LCMS (OC_VKMS_S) Internally Developed Method	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Brea Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-875-8375	Clint Throop - Manager

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 Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Microbial Test Results		Doc No.: SOP-QAC204-F05	
		Effective Date: Jan 5, 2021	
Department: QC Testing	Owner: QC Test Manager	Revision: 12	1 of 1

1 oz Nataf-K
 Part# 3006355
 Lot# 2021-92055
 7/6/2022
 18

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Tested by: OS
 NCR Required: YES NO
 NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<10	cfu/g	OS 07-07-22
Escherichia coli AOAC 991.14 & AOAC 2017.01	ND		ND		OS 07-08-22
Staphylococcus aureus AOAC 2003.07	ND	1:10	ND	cfu/g	OS 07-07-22
Total Plate Count AOAC 990.12	<10	1:10	<10,000	cfu/g	OS 07-08-22
Yeast & Mold AOAC 2014.05	Yeast: <10	1:10	<1,000	cfu/g	OS 07-08-22
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP<62> Run ID 07072022(1) Sample ID 07062022(1)_18 Well ID B3	ND	1:10	ND	cfu/g	OS 07-07-22
Enterobacteriaceae AOAC 2013.09 <input checked="" type="checkbox"/> N/A					

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: SJ3 Date: 7-11-22

Certificate of Analysis

Sample Name: 3006355 Dr Green Mom: Natal K (Stability)	Eurofins Sample: 11938527
Project ID: VITALITYWO-20220710-0099	Receipt Date: 12-Jul-2022
PO Number: 2022-00-85069	Receipt Condition: Ambient temperature
Lot Number: 2021-92055	LogIn Date: 10-Jul-2022
Sample Serving Size: 1 mL	Date Started: 13-Jul-2022
	Sampled: Sample results apply as received
	Online Order: 2179-178C4244

Analysis	Result
Determination of K Vitamins by LCMS *	
Vitamin K1	16700 mcg/Serving Size
Density by Gravimetric Analysis	
Density	0.954 g/mL

Method References	Testing Location
Density by Gravimetric Analysis (SPGP_S)	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	
Determination of K Vitamins by LCMS (OC_VKMS_S)	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
Internally Developed Method	

Testing Location(s) **Released on Behalf of Eurofins by**

Food Integrity Innovation-Brea **Clint Throop - Manager**

Eurofins Food Chemistry Testing US, Inc.
2951 Saturn Street
Unit C
Brea CA 92821
800-675-8375

Food Integrity Innovation-Madison

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375

Edward Ladwig - President Eurofins Food Chemistry Testing Madison



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Printed: 18-Jul-2022 9:02 pm

Page 1 of 2

Certificate of Analysis

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Microbial Test Results

Doc No.: SOP-QAC204-F05

Effective Date: Jan 5, 2021

Department: QC Testing

Owner: QC Test Manager

Revision: 12

1 of 1

Sample Name: 1 oz Natal-K (Stability)
Part Number: Part# 3006355
Lot No.: Lot# 2021-92055
Date of Tests: 1/10/2023
 22

Tested by: Rf
 NCR Required: YES / NO
 NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<10	cfu/g	Rf 1-11-23
Escherichia coli AOAC 991.14 & AOAC 2017.01	ND		ND		Rf 1-12-23
Staphylococcus aureus AOAC 2003.07	ND	1:10	ND	cfu/g	Rf 1-11-23
Total Plate Count AOAC 990.12	ND	1:10	<10,000	cfu/g	Rf 1-12-23
Yeast & Mold AOAC 2014.05	Yeast: <10	1:10	<1,000	cfu/g	Rf 1-12-23
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP<62> Run ID 01112023(1) Sample ID 01102023(1)_22 Well ID Ca	ND	1:10	ND	cfu/g	OS 01-11-23
Enterobacteriaceae AOAC 2013.09 <input checked="" type="radio"/> N/A					

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: JWS Date: 1.13.23

Certificate of Analysis

Sample Name: 3006355: 1 oz Natal-K (Stability)	Eurofins Sample: 12533397
Project ID VITALITYWO-20230110-0006	Receipt Date 11-Jan-2023
PO Number 2023-00-89691	Receipt Condition Ambient temperature
Lot Number 2021-92055	Login Date 10-Jan-2023
Sample Serving Size 0.025 mL	Date Started 13-Jan-2023
	Sampled Sample results apply as received
	Online Order 902-2023-E000176

Analysis	Result
Determination of K Vitamins by LCMS	
Vitamin K1	20400 mcg/mL
Density by Gravimetric Analysis	
Density	0.938 g/mL

Method References	Testing Location
Density by Gravimetric Analysis (SPGP_S)	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)	
Determination of K Vitamins by LCMS (OC_VKMS_S)	Food Integrity Innovation-Brea 2951 Saturn Street, Unit C Brea, CA 92821 USA
Internally Developed Method	

Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Brea	Jason Mulligan - President Eurofins Botanical Testing Brea
Eurofins Food Chemistry Testing US, Inc. 2951 Saturn Street Unit C Brea CA 92821 800-675-8375	

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 Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Microbial Test Results		Doc No: SOP-QAC204-F05	
		Effective Date: Jun 26, 2023	
Department: QC Testing	Owner: QC/QA Manager	Revision: 13	1 of 1

Sample Name: _____ 1 oz Natal-K
Part Number: _____ Part# 3006355
Lot No.: _____ Lot# 2021-92055
 7/17/2023
Date of Tests: _____ 13

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Tested by: AG
 NCR Required: YES / **(NO)**
 NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms AOAC 991.14	<10	1:10	<10	cfu/g	AG 7-18-23
Escherichia coli AOAC 991.14 & AOAC 2017.01	ND		ND		AG 7-19-23
Staphylococcus aureus AOAC 2003.07	ND	1:10	ND	cfu/g	AG 7-18-23
Total Plate Count AOAC 990.12	<10	1:10	<10,000	cfu/g	AG 7-19-23
Yeast & Mold AOAC 2014.05	Yeast: <10	1:10	<1,000	cfu/g	AG 7-19-23
	Mold: <10		<1,000		
Salmonella AOAC 2013.09 & USP <2022> Run ID 07182023(1) Sample ID 07172023(1)_13 Well ID E2	ND	1:10	ND	cfu/g	AG 7-18-23
Enterobacteriaceae AOAC 2003.01 <input checked="" type="checkbox"/> N/A					

Note: ND = Not detected in 10g according to Method Detection Limit.
 *Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: [Signature] Date: 07-20-2023

Certificate of Analysis

Sample Name:	3006355	Eurofins Sample:	13132571
Project ID	VITALITYWO-20230717-0106	Receipt Date	13-Jul-2023
PO Number	2023-00-95262	Receipt Condition	Ambient temperature
Lot Number	2021-92055	Login Date	17-Jul-2023
Description	Natal K	Date Started	18-Jul-2023
		Sampled	Sample results apply as received
		Online Order	902-2023-E003629

Analysis	Result
Vitamin K by Fast Method Vitamin K1	17600 mcg/g

$$\frac{17,600 \text{ mcg}}{\text{g}} \times \frac{0.944 \text{ g}}{\text{ml}} = \frac{16,614 \text{ mcg}}{\text{ml}} \quad 2027/27/23$$

Method References	Testing Location
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Vitamin K by Fast Method (FAST_VITK) Internally developed method	Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA
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Testing Location(s)	Released on Behalf of Eurofins by
Food Integrity Innovation-Madison Eurofins Food Chemistry Testing Madison, Inc. 6304 Ronald Reagan Ave Madison WI 53704 800-675-8375	Edward Ladwig - President Eurofins Food Chemistry Testing Madison



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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 Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Microbial Test Results

Doc No: SOP-QAC204-F05

Effective Date: Jun 26, 2023

Department: QC Testing

Owner: QC/QA Manager

Revision: 13

1 of 1

Sample Name: 1 oz Natal-K
 Part Number: Part# 3006355
 Lot No.: Lot# 2021-92055
 Date of Tests: 1/9/2024
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Tested by: PF

NCR Required: YES / **NO**

NCR#: _____

Analyses*	Results	Dilution	Specifications	Units	Date Analyzed/Initials
Total Coliforms <small>AOAC 991.14</small>	<10	1:10	<10	cfu/g	OS 01-10-24
Escherichia coli <small>AOAC 991.14 & AOAC 2017.01</small>	ND		ND		PF 1-11-24
Staphylococcus aureus <small>AOAC 2003.07</small>	ND	1:10	ND	cfu/g	PF 1-11-24
Total Plate Count <small>AOAC 990.12</small>	<10	1:10	<10,000	cfu/g	PF 1-11-24
Yeast & Mold <small>AOAC 2014.05</small>	Yeast: <10	1:10	<1,000	cfu/g	PF 1-11-24
	Mold: <10		<1,000		
Salmonella <small>AOAC 2013.09 & USP<2022></small> <small>Run ID 01112024(1) Sample ID 01092024(1)_5 Well ID D1</small>	ND	1:10	ND	cfu/g	PF 1-11-24
Enterobacteriaceae <small>AOAC 2003.01</small> <input checked="" type="checkbox"/> N/A					

Note: ND = Not detected in 10g according to Method Detection Limit.

*Reference QAC 204 F06 for media lot numbers, expiration dates, and environmental and test controls.

QC Reviewed by: Crystal Date: 1/11/24

Report of Analysis

Vitality Works

Attn: Roger Oczon
8500 Bluewater Rd NW
Albuquerque, NM 87121

Control Number: 011024-0441

Product Name: 3006355: Liquid Vitamin K

Received On: 01-10-2024

Purchase Order: 2024-00-00733

Lot Number: 2021-92055

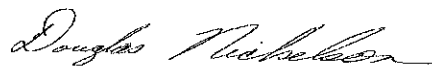
Original Report Date: 01-30-2024

Serving Size: 1 mL

Analysis Performed	Method	Specification	Result with Units
Vitamin K1 (Phytonadione)	SAM 02008 (HPLC-UV)	>= 15,000 mcg	18211 mcg/serving

Comments: Revised Report, this report is to supersede all earlier reports.

Authorized By



Doug Nickelson

Quality Manager

02-12-2024

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