

## Certificate of Analysis

### BetterYou

Unit 24, Shortwood Court, Shortwood Business Park, Dearne Valley Parkway  
Barnsley S74 9LH United Kingdom

<b>Sample Name:</b>	<b>DLux4000 Vitamin D Daily Oral Spray</b>	<b>Eurofins Sample:</b>	<b>9939186</b>
<b>Project ID</b>	BETTERYOU-20201138	<b>Base Date</b>	13-Oct-2020
<b>PO Number</b>	7732	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	09T1179	<b>Pull Date</b>	13-Oct-2020
<b>Sample Serving Size</b>	0.13 mL	<b>Date Started</b>	13-Oct-2020
		<b>Sampled</b>	Sample results apply as received
		<b>Timepoint</b>	Initial

Analysis	Specifications	Result
<b>Vitamin D *</b>		
Vitamin D	>= 4000 IU/Serving size	4010 IU/Serving size
<b>Density by Gravimetric Analysis</b>		
Density		1.126 g/mL
<b>pH</b>		
pH		4.28
<b>Aerobic Plate Count *</b>		
Aerobic Plate Count		10 CFU/g
<b>E. coli *</b>		
Escherichia Coli		Absent /10 g
<b>Pseudomonas aeruginosa USP *</b>		
Pseudomonas Aeruginosa		Absent /10 g
<b>Salmonella USP *</b>		
Salmonella		Absent /10 g
<b>Staphylococcus *</b>		
Staphylococcus Aureus		Absent /10 g
<b>Yeast and Mold Count *</b>		
Combined Yeast and Mold Count		<10 CFU/g
<b>Preparatory Testing of Nutritional and Dietary Supplements *</b>		
Aerobic Plate Suitability Result		Pass**
Yeast and Mold Suitability		Pass**
E. coli Suitability Result		Pass**
Pseudomonas Suitability Result		Pass**
Salmonella Suitability Result		Pass**
Staphylococcus Suitability Result		Pass**
<b>Organoleptic Evaluation *</b>		
Appearance		Pale yellow opaque liquid
Package Appearance		Spray bottle inside a cardboard box

\* This analysis or component is not ISO accredited.

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Analysis	Specifications	Result
<b>Organoleptic Evaluation *</b>		
Characteristic Odor		Peppermint
Characteristic Flavor		Peppermint

Method References	Testing Location
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**Aerobic Plate Count (USPC2021)**

**Food Integ. Innovation-Madison NE**  
2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

\*\*Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

**Density by Gravimetric Analysis (SPGP\_S)**

**Food Integrity Innovation-Madison**  
3301 Kinsman Blvd Madison, WI 53704 USA

NIST Handbook 133 - Checking the Net Contents of Packaged Goods, 2015 Edition (Modified)

**E. coli (USPE2022)**

**Food Integ. Innovation-Madison NE**  
2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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\*\*Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

**Organoleptic Evaluation (ORGE)**

**Food Integrity Innovation-Madison**  
3301 Kinsman Blvd Madison, WI 53704 USA

INTERNAL SOP DESIGNED TO SUPPLEMENT THE UNITED STATES PHARMACOPEIA,  
25TH EDITION, PAGE 2363, USP CONVENTION, INC., ROCKVILLE, MD., 2002.

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#### Method References

#### Testing Location

##### pH (PHAL\_S)

##### Food Integrity Innovation-Madison

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL. 18th Ed., Method 981.12, AOAC INTERNATIONAL. Gaithersburg, MD.

Food Chemical Codex 7th Ed., The United States Pharmacopeia Convention (2010) Appendix II.

United States Pharmacopeia, 32nd Rev.-National Formulary 27th Ed., USP Convention, Inc., Rockville, MD (2009) General Chapter 791.

##### Preparatory Testing of Nutritional and Dietary Supplements (USPA\_PT)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

##### Preparatory Testing of Nutritional and Dietary Supplements (USPC\_PT)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

##### Preparatory Testing of Nutritional and Dietary Supplements (USPE\_PT)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

##### Preparatory Testing of Nutritional and Dietary Supplements (USPM\_PT)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

##### Preparatory Testing of Nutritional and Dietary Supplements (USPS\_PT)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

##### Preparatory Testing of Nutritional and Dietary Supplements (USPU\_PT)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

##### Pseudomonas aeruginosa USP (USPU2022)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

USP27-NF22 General Chapter 2022.

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##### Salmonella USP (USPS2022)

##### Food Integ. Innovation-Madison NE

2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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**Method References****Testing Location****Staphylococcus (USPA2022)****Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2022.

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**Vitamin D (LCD2\_S)****Food Integrity Innovation-Madison**

3301 Kinsman Blvd Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL (2005) 18th Ed., AOAC INTERNATIONAL, Gaithersburg, MD, USA, Official Methods 979.24, 980.26.

**Yeast and Mold Count (USPM2021)****Food Integ. Innovation-Madison NE**

2102 Wright Street Madison, WI 53704 USA

USP Current revision, Chapter 2021.

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**Testing Location(s)****Released on Behalf of Eurofins by****Food Integrity Innovation-Madison**

Eurofins Food Chemistry Testing Madison, Inc.  
3301 Kinsman Blvd  
Madison WI 53704  
800-675-8375

**Edward Ladwig - President Eurofins Food  
Chemistry Testing Madison**



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**Food Integ. Innovation-Madison NE**

Eurofins Food Chemistry Testing US, Inc.  
2102 Wright Street  
Madison WI 53704  
800-675-8375

**Shannon Jacoby - Business Unit 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.**