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Report Number:	**5031091-0**
Report Date:	**11-Aug-2025**
Report Status:	**Final**
Supercedes :	**5029509-0**

Certificate of Analysis

Cleanhealthlabs LLC

16192 Coastal Way
Lewes Delaware 19958 United States

Sample Name:	**L-MTHFR 15MG ADA070725**	**Eurofins Sample:**	**15491580**
Project ID	CLEANHEALT-20250707-0004	**Receipt Date**	11-Jul-2025
PO Number		**Receipt Condition**	Ambient temperature
Lot Number	SN-MTHFR15-030425	**Login Date**	07-Jul-2025
Description	L-Methylfolate 15mg Glycine 220mg	**Date Started**	15-Jul-2025
		Sampled	Sample results apply as received
		Number Composited	20
		Online Order	901-2025-E058592

Analysis	Result
Calculated Sample Weight *	
Entity Weight	0.3253 g
Entity Fill Weight	0.2631 g
Entity Weight	0.3253 g
Entity Fill Weight	0.2622 g
Free amino acids	
Glycine	944 mg/g
Determination of 5-Methyltetrahydrofolic Acid by UPLC	
5-Methyltetrahydrofolic Calcium Acid	54.9 mg/g
RSD of Tablet control	6.5%
RSD of all four data points	3.4%
MU of Tablet control	13.6%
Determination of 5-Methyltetrahydrofolic Acid by UPLC - Retest	
5-Methyltetrahydrofolic Calcium Acid	54.2 mg/g
5-Methyltetrahydrofolic Calcium Acid	54.4 mg/g
5-Methyltetrahydrofolic Calcium Acid	50.9 mg/g
Aerobic Plate Count *	
Aerobic Plate Count	<100 CFU/g
E. coli *	
Escherichia Coli	Absent /10 g
Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) *	
Enterobacterial Count	<10 MPN MPN/g
Pseudomonas aeruginosa USP *	
Pseudomonas Aeruginosa	Absent /10 g
Salmonella USP *	
Salmonella	Absent /10 g
Staphylococcus *	
Staphylococcus Aureus	Absent /10 g
Yeast and Mold Count *	

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Analysis	Result
Yeast and Mold Count *	
Combined Yeast and Mold Count	<100 CFU/g
Preparatory Testing of Nutritional and Dietary Supplements *	
Bile-Tolerant Gram-Neg Bacteria Suitability Result	PASS
Staphylococcus Suitability Result	PASS
Aerobic Plate Suitability Result	PASS
E. coli Suitability Result	PASS
Total Combined Yeast-Molds Count	PASS
Salmonella Suitability Result	PASS
Suitability of Test Method *	
Pseudomonas Suitability Result	PASS
Elements by ICP Mass Spectrometry	
Chromium *	306 ppb
Mercury	<5.00 ppb
Lead	25.6 ppb
Cadmium	<5.00 ppb
Arsenic	<10.0 ppb

Method References	Testing Location
Aerobic Plate Count (USPC2021)	**Eurofins Micro Lab - Madison** 6304 Ronald Reagan Ave 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.

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Method References	Testing Location
Calculated Sample Weight (PREP_BREA)	**Food Integrity Innovation-Brea** 2951 Saturn Street, Unit C Brea, CA 92821 USA
Determination of 5-Methyltetrahydrofolic Acid by UPLC - Retest (OC_5 MTHF_S) USP (Modified)	**Food Integrity Innovation-Brea** 2951 Saturn Street, Unit C Brea, CA 92821 USA
Determination of 5-Methyltetrahydrofolic Acid by UPLC (OC_5MTHF_S) USP (Modified)	**Food Integrity Innovation-Brea** 2951 Saturn Street, Unit C Brea, CA 92821 USA
E. coli (USPE2022) USP Current revision, Chapter 2022. To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix. **Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.	**Eurofins Micro Lab - Madison** 6304 Ronald Reagan Ave Madison, WI 53704 USA
Elements by ICP Mass Spectrometry (ICP_MS_S) Official Methods of Analysis, Methods 2011.19 and 993.14, and 2015.01, AOAC INTERNATIONAL, (Modified).	**Food Integrity Innovation-Madison** 6304 Ronald Reagan Ave Madison, WI 53704 USA
Enterobacteriaceae (Bile-Tolerant Gram-Negative Bacteria) (USPN2021) 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.	**Eurofins Micro Lab - Madison** 6304 Ronald Reagan Ave Madison, WI 53704 USA

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Method References	Testing Location

Free amino acids (FAALC_S)
Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

R. Schuster, "Determination of Amino Acids in Biological, Pharmaceutical, Plant and Food Samples by Automated Precolumn Derivatization and HPLC", *Journal of Chromatography*, 431:271-284 (1988).
Henderson, J.W., Ricker, R.D. Bidlingmeyer, B.A., Woodward, C., "Rapid, Accurate, Sensitive, and Reproducible HPLC Analysis of Amino Acids, Amino Acid Analysis Using Zorbax Eclipse-AAA columns and the Agilent 1100 HPLC," Agilent Publication, 2000.

Preparatory Testing of Nutritional and Dietary Supplements (USPA_PT)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPC_PT)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPN_PT)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Pseudomonas aeruginosa USP (USPU_62)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current Revision, Chapter 62.
To satisfy the requirements of the USP, the Suitability of Test Method must be completed on each matrix.
**Based on the suitability of the test method results, conditions stipulated are adequate for detecting the presence of the specified microorganism.

Salmonella USP (USPS2022)
Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.
To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.
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Method References	Testing Location

Staphylococcus (USPA2022)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

USP Current revision, Chapter 2022.
To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.
**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

Suitability of Test Method (USPU_SOT)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Yeast and Mold Count (USPM2021)

Eurofins Micro Lab - Madison
6304 Ronald Reagan Ave 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-Brea

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

Marisa Feller - President Eurofins Botanical Testing Brea

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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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