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Report Number:	**4533907-0**
Report Date:	**19-Jun-2024**
Report Status:	**Final**

Certificate of Analysis

Purity Coffee

1010 E. North Street, Suite B3
Greenville South Carolina 29601 United States

Sample Name:	**FLOW 2024 Nutrition**	**Eurofins Sample:**	**14191404**
Project ID	PURITY_COF-20240610-0009	**Receipt Date**	11-Jun-2024
PO Number	NA	**Receipt Condition**	Ambient temperature
Sample Serving Size	15 g	**Login Date**	10-Jun-2024
Description	Nutrition	**Date Started**	12-Jun-2024
		Sampled	Sample results apply as received
		Online Order	901-2024-E042395

Analysis	Result
Elements by ICP Emission Spectrometry (ICP-OES)	
Calcium	15.8 mg/Serving Size
Copper	0.219 mg/Serving Size
Iron	0.433 mg/Serving Size
Magnesium	31.1 mg/Serving Size
Phosphorus	28.2 mg/Serving Size
Zinc	0.0898 mg/Serving Size
Potassium	284 mg/Serving Size
Sodium	<0.372 mg/Serving Size
Vitamin E	
Vitamin E	0.555 mg/Serving Size
Riboflavin by Microbiological Method	
Riboflavin	0.044 mg/Serving Size
Niacin by Microbiological Method	
Niacin	1.58 mg/Serving Size
Biotin by Microbiological Method	
Biotin	5.69 mcg/Serving Size
Determination of Total Chlorogenic Acids by UPLC *	
Neochlorogenic Acid	46.2 mg/Serving Size
Chlorogenic Acid	115 mg/Serving Size
4-O Caffeolyquinic Acid	60.7 mg/Serving Size
Unknown (Calculated as Chlorogenic Acid)	4.68 mg/Serving Size
3 4-Dicaffeoylquinic Acid	50.5 mg/Serving Size
3 5-Dicaffeoylquinic Acid	12.7 mg/Serving Size
4 5-Dicaffeoylquiic Acid	9.87 mg/Serving Size
Total Chlorogenic Acids	300 mg/Serving Size

Method References	Testing Location
Biotin by Microbiological Method (BIOM_S)	**Food Integrity Innovation-Madison** 6304 Ronald Reagan Ave Madison, WI 53704 USA

*** This analysis or component is not ISO accredited.**

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Method References	Testing Location

Biotin by Microbiological Method (BIOM_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Scheiner, J. and De Ritter, E., "Biotin Content of Feedstuffs," *Journal of Agricultural and Food Chemistry*, 23(6): 1157-1162 (1975). (Modified)

Wright, L.D., Skeggs, H.R., "Determination of Biotin with Lactobacillus arabinosis," *Procedures of the Society of Experimental Biology and Medicine,* 56:95-98 (1944). (Modified)

Free Biotin, Section C-13, *Methods of Analysis for Infant Formulas*, Infant Formula Council, (1985). (Modified)

Scheiner, J., "Extraction of Added Biotin From Animal Feed Premix," *Journal of the AOAC,* 49(4):882-883, (1996). (Modified)

Determination of Total Chlorogenic Acids by UPLC (OC_CHLOR_S)

Food Integrity Innovation-Brea
2951 Saturn Street, Unit C Brea, CA 92821 USA

Internally Developed Method

Elements by ICP Emission Spectrometry (ICP-OES) (ICP_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis of AOAC INTERNATIONAL, Method 984.27, 985.01, and 2011.14, AOAC INTERNATIONAL, Gaithersburg, MD, USA. (Modified)

Niacin by Microbiological Method (NIAP_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Methods 944.13 and 960.46, AOAC INTERNATIONAL, Gaithersburg, MD (Modified)

Riboflavin by Microbiological Method (B2FV_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Methods 940.33 and 960.46, AOAC INTERNATIONAL, Gaithersburg, MD (Modified).

Vitamin E (LCE1_S)

Food Integrity Innovation-Madison
6304 Ronald Reagan Ave Madison, WI 53704 USA

Speek, A.J., Schijver, J., and Schreurs, W.H.P., "Vitamin E Composition of Some Seed Oils as Determined by High-Performance Liquid Chromatography with Fluorometric Detection", *Journal of Food Science, 50*(1):121-124 (1985). (Modified).
Cort, W.M., Vincente, T.S., Waysek, E.H., and Williams, B.D., Vitamin E Content of Feedstuffs Determined by High-Performance Liquid Chromatographic Fluorescence", *Journal of Agricultural and Food Chemistry, 31*:1330-1333 (1983). (Modified).
McMurray, C.H., Blanchflower, W.J., and Rice, D.A., "Influence of Extraction Techniques on Determination of α-Tocopherol in Animal Feedstuffs", *Journal of the Association of Official Analytical Chemists*, *63*(6): 1258-1261 (1980). (Modified).

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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	
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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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.

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