

## Certificate of Analysis

### Purity Coffee

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

<b>Sample Name:</b>	<b>PROTECT CGA</b>	<b>Eurofins Sample:</b>	<b>11670658</b>
<b>Project ID</b>	PURITY_COF-20220420-0015	<b>Receipt Date</b>	21-Apr-2022
<b>PO Number</b>	Protect	<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	2022	<b>Login Date</b>	20-Apr-2022
<b>Sample Serving Size</b>	15 g	<b>Date Started</b>	22-Apr-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Online Order</b>	901-2022-E000789

#### Analysis

#### Result

##### Vitamin E

Vitamin E 0.433 mg/Serving Size

##### Niacin by Microbiological Method

Niacin 0.752 mg/Serving Size

##### Pantothenic Acid by Microbiological Method

Pantothenic Acid 0.032 mg/Serving Size

##### Determination of Total Chlorogenic Acids by UPLC \*

Neochlorogenic Acid 46.7 mg/Serving Size

Chlorogenic Acid 128 mg/Serving Size

4-O Caffeoylquinic Acid 62.2 mg/Serving Size

Unknown (Calculated as Chlorogenic Acid) 5.19 mg/Serving Size

3 4-Dicaffeoylquinic Acid 30.6 mg/Serving Size

3 5-Dicaffeoylquinic Acid 15.8 mg/Serving Size

4 5-Dicaffeoylquinic Acid 10.7 mg/Serving Size

Total Chlorogenic Acids 299 mg/Serving Size

#### Method References

#### Testing Location

##### 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

##### 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)

##### Pantothenic Acid by Microbiological Method (PANN\_S)

##### Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

*Official Methods of Analysis*, Methods 945.74, 992.07, and 960.46, AOAC INTERNATIONAL, Gaithersburg, MD (

Modified).

\* This analysis or component is not ISO accredited.

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#### Method References

#### Testing Location

#### 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  $\alpha$ -Tocopherol in Animal Feedstuffs", *Journal of the Association of Official Analytical Chemists*, 63(6): 1258-1261 (1980). (Modified).

#### 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

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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