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## Certificate of Analysis

**Customer: Goji Farms USA****Sample Identification:**

Batch #: B-14375f

Date Received: 10/17/2014

**Results:**

Description	BL ID	Analysis	Result	Units
#4 - Goji leaf juice ,Liquid,4	14-0627	Thiamin (Vitamin B <sub>1</sub> )	10.65	µg/milliliter
		Nicotinamide (Vitamin B <sub>3</sub> )	ND	µg/milliliter
		Ascorbic acid (Vitamin C)	9.33	µg/milliliter
		Pyridoxamine (Vitamin B <sub>6</sub> )	2.31	µg/milliliter
		Pantothenic acid (Vitamin B <sub>5</sub> )	56.20	µg/milliliter
		Folic acid (Vitamin B <sub>9</sub> )	227.49	µg/milliliter
		Cyanocobalamin (Vitamin B <sub>12</sub> )	ND	µg/milliliter
		Riboflavin (Vitamin B <sub>2</sub> )	ND	µg/milliliter

This analysis is performed with High Performance Liquid Chromatography (HPLC). Optimized method based on protocol described in the reference below is applied.

ND: Not Detected.

Limit of Detection: Nicotinamide 0.11 µg/mL, Cyanocobalamin 0.09 µg/mL, Riboflavin 0.02 µg/mL.

**Released on behalf of Brunswick Laboratories by**

Jin Ji, Ph.D.

Chief Technology Officer

**REFERENCES:**

[1] Olivier Heudi, *et al.*, Separation of water-soluble vitamins by reversed-phase high performance liquid chromatography with ultra-violet detection: Application to polyvitaminated premixes . *Journal of Chromatography*. **2005**, 1070, 49-56.

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## Certificate of Analysis

**Customer: Goji Farms USA****Sample Identification:**

Batch #: B-14375e

Date Received: 10/17/2014

**Results:**

Description	BL ID	Analysis	Result	Units
#3 - Goji pulp ,Puree,3	14-0626	Thiamin (Vitamin B <sub>1</sub> )	4.27	µg/gram
		Nicotinamide (Vitamin B <sub>3</sub> )	ND	µg/gram
		Ascorbic acid (Vitamin C)	4.73	µg/gram
		Pyridoxamine (Vitamin B <sub>6</sub> )	0.34	µg/gram
		Pantothenic acid (Vitamin B <sub>5</sub> )	95.66	µg/gram
		Folic acid (Vitamin B <sub>9</sub> )	194.71	µg/gram
		Cyanocobalamin (Vitamin B <sub>12</sub> )	ND	µg/gram
		Riboflavin (Vitamin B <sub>2</sub> )	ND	µg/gram

This analysis is performed with High Performance Liquid Chromatography (HPLC). Optimized method based on protocol described in the reference below is applied.

ND: Not Detected.

Limit of Detection: Nicotinamide 0.11 µg/mL, Cyanocobalamin 0.09 µg/mL, Riboflavin 0.02 µg/mL.

**Released on behalf of Brunswick Laboratories by**

Jin Ji, Ph.D.

Chief Technology Officer

**REFERENCES:**

[1] Olivier Heudi, *et al.*, Separation of water-soluble vitamins by reversed-phase high performance liquid chromatography with ultra-violet detection: Application to polyvitaminated premixes. *Journal of Chromatography*. **2005**, 1070, 49-56.

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