

**Certificate of Analysis**

**Product Description:** Earthrise® Natural Spirulina Export  
100% pure having no preservatives, dyes, pesticides or radiation used in its production; fine dark green powder. Made in U.S.A.

**Species Name:** *Spirulina (Arthrospira) platensis*      **Plant Part:** *Whole*

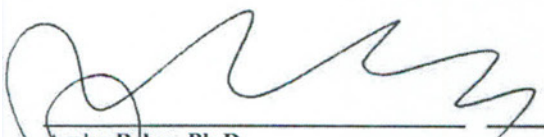
**Lot Number:** 17107   **MFD:** 11/1/2015   **EXPD:** 11/1/2019

**Analytical**

TEST	RESULTS	SPECIFICATION	METHOD
Particle Size (#40 mesh through)	Pass	100%	USP29 786
Bulk Density (kg/L)	0.52	0.35-0.6	USP24 NF 19 616 (Modified)
Moisture (%)	5.6	</= 7.0	AOAC 935.29A/925.09B
Ash (%)	9	</= 12	AOAC 923.03/942.05 (Modified)
Crude Protein (%)	63.4	>/= 55.0	AOAC 2001.11
Chlorophyll (%)	1.1	>/= 0.9	Vonshak 1997Spirulina platensis (Arthrospira) Physiology, cell biology and biotechnology p.214 (modified)
Total Carotenoids (mg%)	478	>/= 370	AOAC 941.15 (Modified)
βcarotene (mg%)	197	>/= 120	AOAC 941.15 (Modified)
Phycocyanin (%)	18.0	>/= 10.0	In-house
Lead (ppm)	0.348	</= 1.0	AOAC 993.14 / 2011.19 (Modified)

**Microbiological**

TEST	RESULTS	SPECIFICATION	METHOD
Standard Plate Count (cfu/g)	12,100	</= 100,000	AOAC 990.12
Coliform (cfu/g)	Negative	Negative	AOAC 991.14
Ecoli (cfu/g)	Negative	Negative	AOAC 991.14
Yeast (cfu/g)	<10	</= 40	AOAC 997.02
Mold (cfu/g)	50	</= 100	AOAC 997.02

  
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 Amha Belay, Ph.D.  
 Scientific / QA Director  
 Earthrise Nutritionals LLC

12/15/2015  
Date