

## Certificate of Analysis

**Product Code:** AFG

**Batch No:** 026/1407 AFG

**Best Before:** July 2018

**Product Name:** Seagreens®  
Ascophyllum nodosum Fine Granules

**Date of Analysis:** July 2014

**Storage Conditions:**

Store in a cool dry place below 25°C

**Species:** *Ascophyllum nodosum*

**Harvesting/Processing Location:**

Scotland (Isle of Lewis, Outer Hebrides)

**Plant Part Utilised:** Thallus

**Country of Origin:** UK

Parameter	Specification	Results	Analytical Method
Description	Dark green to brown granule. Characteristic seaweed odour and taste	Dark green to brown granule. Characteristic seaweed odour and taste	Visual inspection <sup>1</sup>
Identification	Matches standard	<i>Ascophyllum nodosum</i>	Visual inspection <sup>1</sup>
Bulk Density	0.600-0.730	0.600-0.730	Internal method <sup>2</sup>
Particle Size	<400 µm	<400 µm	Internal method <sup>1</sup>
<u>Nutrition</u>			
Moisture	≤14%	8.7%	UD006 <sup>1,3</sup>
Iodine (dry weight)	790mg/kg (+/- 24%) <sup>4</sup> (≤919mg/kg dry weight)	820 mg/kg (898mg/kg dry weight)	ICP-MS <sup>1,3</sup>
<u>Toxic Elements</u>			
Arsenic (inorganic)	≤1 mg/kg	0.38 mg/kg	ICP-MS <sup>1,3</sup>
Cadmium	≤0.5 mg/kg	0.11 mg/kg	ICP-MS <sup>1,3</sup>
Lead	≤2 mg/kg	0.3 mg/kg	ICP-MS <sup>1,3</sup>
Mercury	≤0.1 mg/kg	<0.01mg/kg	ICP-MS <sup>1,3</sup>
<u>Microbiology</u>			
Total Plate Count	≤ 10,000 cfu/g	70 cfu/g	UM273 <sup>1,3</sup>
Coliforms	≤ 100 cfu/g	Negative	UM159 <sup>1,3</sup>
Yeast and Mould	≤ 1000 cfu/g	200cfu/g	UM356 <sup>1,3</sup>
Enterobacteriaceae	Not detected/g	Negative	UM174 <sup>1,3</sup>
<i>Escherichia coli</i>	Not detected/g	Negative	UM209 <sup>1,3</sup>
<i>Salmonella</i>	Not detected/10g	Negative	UM666 <sup>1,3</sup>
<i>Staphylococcus aureus</i>	Not detected/g	Negative	UM469 <sup>1,3</sup>
<i>Vibrio spp.</i>	Not detected/g	Negative	UM706 <sup>1,3</sup>

<sup>1</sup> Denotes tests performed every batch.

<sup>2</sup> Denotes tests performed on a monitoring only basis.

<sup>3</sup> -

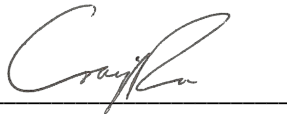
## Contaminants/allergens

Pesticide Residues	Not detected	Not detected	SP111/101 <sup>2,3</sup>
Other Environmental Contaminants	Not detected	Not detected	JC00V <sup>2,3</sup>
Histamine	Not detected	Not detected	C0320 <sup>2,3</sup>
Crustacean DNA	Not detected	Not detected	UD01T <sup>1,3</sup>
Mollusc DNA	Not detected	Not detected	UD02X <sup>2,3</sup>
Fish DNA	Not detected	Not detected	UD01V <sup>1,3</sup>
Gluten / Gliadin	Not detected	Not detected	UD772 <sup>1,3</sup>

This is a natural product wild harvested from the sea and customers should satisfy themselves that it is suitable for their end use before any further manufacturing or packaging

Seagreens Human Food Seaweed™ is produced to Seagreens proprietary standard (Patents Pending)

Approved and signed by  
Craig Rose, PhD MRes BSc (Hons)



EU and USA Organic and Kosher Certified



GB-ORG-06 /  
Registration no. 398



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<sup>3</sup> -