

SuperSmart® Certificate of Analysis

Product Details

Product Name:	 Organic Hebridean Ascophyllum Seaweed (Fine Granules)		
Product Code:	HAFFG	Batch Number	097-120325-HAFFG
Date of Analysis	January 2025		
Description:	Food Grade - marine macro-algae (seaweed) <i>Ascophyllum nodosum</i> species		
Botanical Description:	Family: Fucaceae Species: <i>Ascophyllum nodosum</i>		
Plant Part Used:	Thallus		
Production location:	Outer Hebrides, Scotland	Country of Origin:	United Kingdom

Physical Characteristics

Parameter	Specification	Results	Method of Analysis
Species/product identification	Identified at source, pre-milling & on finished product	Positive identification	Expert validation* & by DNA Analysis*
Visual appearance (finished product)	Green fine granule	Green fine granule	Visual inspection*
Particle size	<0.4mm	>95% through sieve	Sieve testing*
Moisture	≤14%	8.7%	Gravimetric determination
Iodine	650 – 980 mg/kg	870 mg/kg	ICP-MS
Ash	<25%	24%	BS 4401 Pt 1:1998

Safety Testing

Parameter	Specification	Results	Method of Analysis
Heavy Metals			
Arsenic (inorganic)	≤1 mg/kg	0.24 mg/kg	ICP-MS
Cadmium	≤0.3 mg/kg	0.22 mg/kg	ICP-MS
Lead	≤3 mg/kg	0.23 mg/kg	ICP-MS
Mercury	≤0.1 mg/kg	0.03 mg/kg	ICP-MS
Microbiology			
Aerobic Plate Count (30° C)	<10,000cfu	300 cfu/g	ISO 4833
Coliforms	< 100 cfu/g	<10 cfu/g	BS ISO 4832:2006
Yeast	< 1,000 cfu/g	220 cfu/g	BS ISO 21527-1:2008
Moulds	< 1,000 cfu/g	< 20 cfu/g	BS ISO 21527-1:2008
Enterobacteriaceae	Not detected/g	Not detected	BS ISO 21528-2:2017
<i>Escherichia coli</i>	Not detected/g	Not detected	ISO/TS 13136:2012
<i>Salmonella</i>	Not detected/25g	Not detected	BS EN ISO 6579-1:2017

Unless otherwise specified, all analysis is undertaken on each batch in an independent United Kingdom Accreditation Service (UKAS) Laboratory.

*Internal analysis

*Periodic analysis

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<i>Staphylococcus aureus</i> <i>Vibrio spp.</i>	< 20 cfu/g Not detected/25g	< 20 cfu/g Not detected	BSEN ISO 6888-1 1999 UKAS Lab method
Contaminants			
Crustacea	Not detected	Not detected	ELISA
Mollusc DNA ⁺	Not detected	Not detected	UKAS Lab method
Fish DNA ⁺	Not detected	Not detected	UKAS Lab method
Certification & Regulatory Information			
Organic	Organic Food Federation EU and US conformity	SALSA Approved	Food Safety Standard
Kosher	London Beth Din	GMO	GMO Free
Metal detection	Detected to specification (contact for detail)	Irradiation	Not irradiated
   GB - ORG - 04 UK Agriculture			
Other Information			
Storage	Cool, dark & dry below 25°C	Pack size	25kg / 48cm x 39cm x 24cm
Best Before	January 2029	Packaging	Food grade heat sealed plastic bags, inside a double walled cardboard box.
Customers must be aware that this is a natural product harvested from the sea, and they should satisfy themselves that the product is suitable for their end use before any further manufacture or packing.			

Approved by:



APPROVED

By Dr Julian Domszy at 12:04 pm, Apr 02, 2025

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*Periodic analysis